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# The CHEMIST AND DRUGGIST

for RETAILER - WHOLESALER - MANUFACTURER

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Diary) 25/-, Single copies 9d.

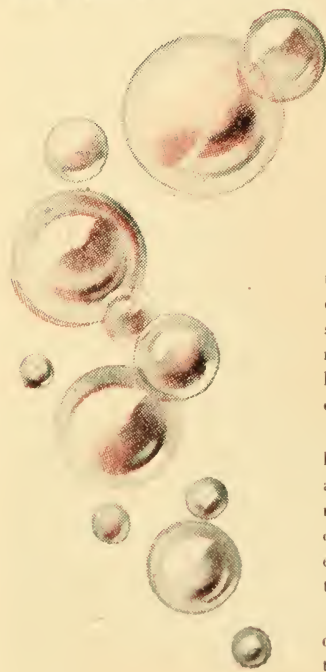


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FOR THE PREVENTION AND TREATMENT OF COLDS

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August 23, 1930

THE CHEMIST AND DRUGGIST

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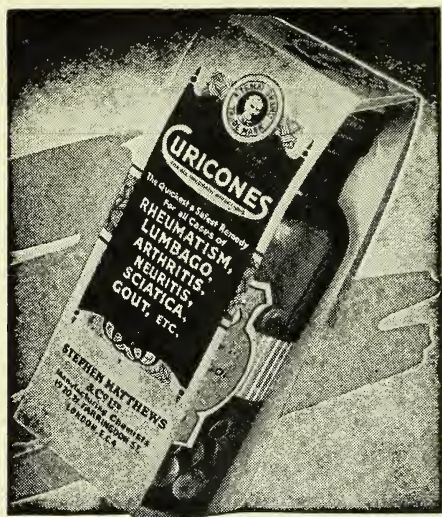
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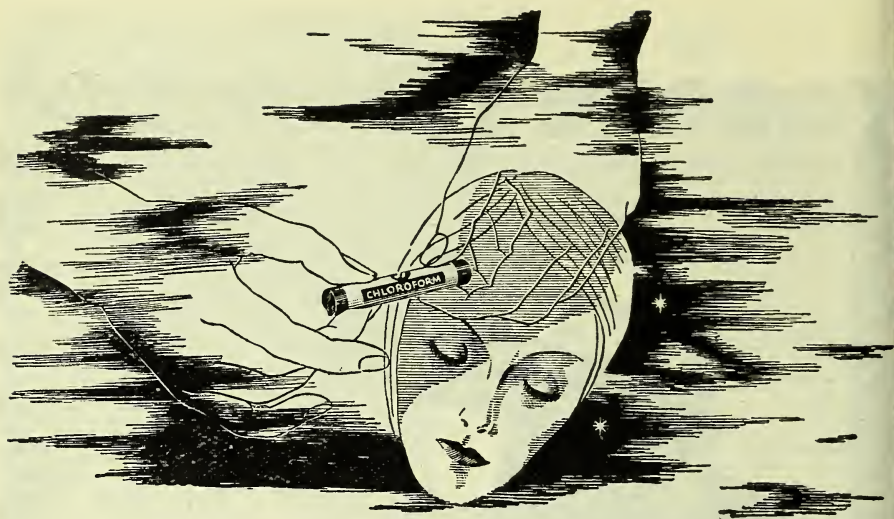
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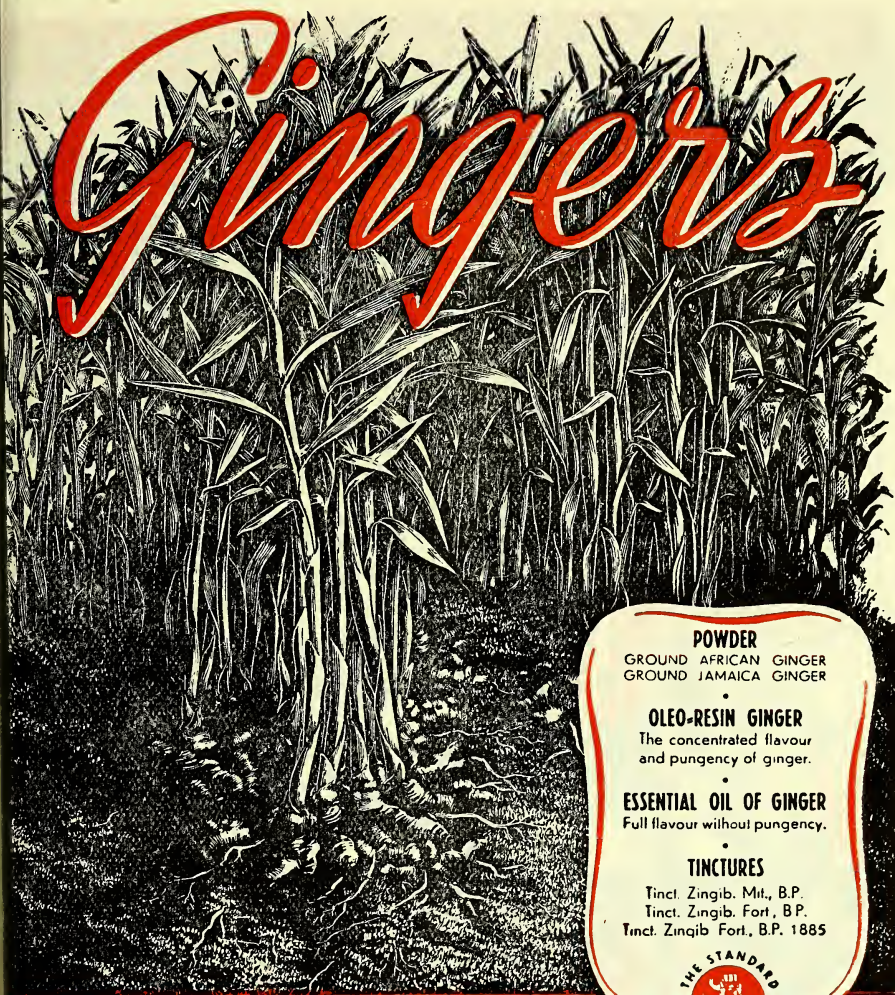
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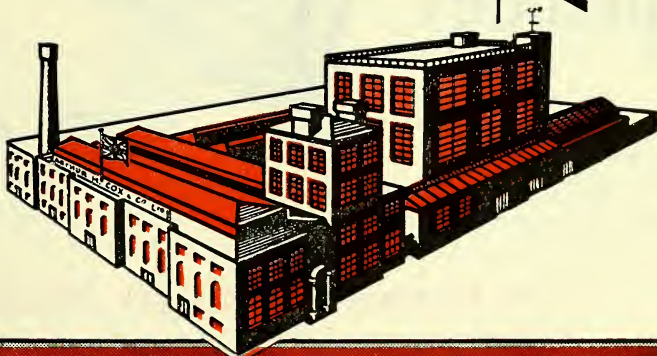
**PILLS & TABLETS**

(BULK OR PACKED)

**PHARMACEUTICAL**

**'OWN NAME' FORMULÆ**

**PACKED SPECIALITIES**



**ARTHUR H. COX & CO LTD**  
**BRIGHTON ~ ENGLAND**



**MORE PROFIT  
FOR THE  
RETAILER**

ON  
**Johnson's  
baby  
powder**

**OLD TERMS**  
Trade: 8/4d. a dozen  
Retail: 12/- a dozen  
(1/- a tin excluding tax)  
Profit: 3/8d. a dozen tins

**NEW TERMS**  
Trade: 10/- a dozen  
Retail: 14/6d. a dozen  
(1 2/2d. a tin excluding tax)  
Profit: 4/6d. a dozen tins

• *Increased profit for retailer  
10<sup>p</sup> on a dozen tins*

Johnson & Johnson (GT. BRITAIN) LIMITED · SLOUGH & GARGRAVE



# winning form

Big consequences can spring from small causes. You find it so particularly in the proprietary trade. You know from your own label specialities that some lines sell and others don't. Is it because they are greatly different? Not always. Retail trifles are often the cause—psychological trifles. The very name chosen for a product may sway people. A manufacturer has wide facilities to get these details right and could do so, before his goods are offered to you. He should not invite you to stock guesswork merchandise.

When the present management took over Simpson's in 1939 this was laid down:—

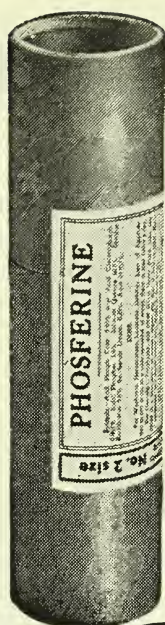
A Simpson product should reach the retail chemist *after* it has been confirmed by marketing tests that it will do a job which millions want; *after* the formula has been perfected by actual use over an extended period; *after* ample evidence has been gathered to show that every single detail has finally been set right.

The war (and the transition period) prevented the fullest expression of that policy but, as far as humanly possible we have adhered to it. Putting it into practice hasn't been a picnic. To counter the shortage of correct packaging materials and comply with controls, all manufacturers have sometimes had to sacrifice perfection. To make good the scarcity of advertising space, after we have fought for every obtainable inch, we have taken enormous pains to use it with utmost effect. And, significant expansion has been gained and consolidated.

There is certainly food for thought in the fact that Simpson's sales have shown a steady and substantial upward trend. "He who makes progress in the face of obstacles, makes leaps when the obstacles go." If that old saying is true, J. W. Simpson (Chemist) Ltd., is a house to watch when controls and other restrictions are relaxed.

And remember, if it's Simpson's, it's C.F.

J. W. SIMPSON (CHEMIST) LTD., MUSEUM STREET, LONDON, W.C.1



# PHOSFERINE

## TABLETS and LIQUID

● PHOSFERINE is a popular Tonic Medicine which has won world-wide reputation—its popularity being largely due to personal recommendation by those who have benefited by its use.

Phosferine Advertising which makes no extravagant claims consistently keeps our product before the notice of the Public.

**Make sure your stocks are equal to the demand**

**PHOSFERINE (Liquid and Tablets)**  
available in 2 sizes

No. 1 retails at 1/4 including Purchase Tax

No. 2 " " 3/3 " " "

**PHOSFERINE (Ashton & Parsons) Ltd., St. Helens, Lancs.**

# CODOFORME BOTOL

## TABLETS

(Indicated in all types of dry cough)

Owing to circumstances beyond our control, we regret that CODOFORME BOTOL has been in short supply, but we are now pleased to advise you that this preparation

**IS AGAIN AVAILABLE**  
**IN PACKINGS OF 20 AND 250 TABLETS**

If any difficulty is experienced in obtaining supplies through the normal trade channels, you are invited to communicate with us.

**PATA**

**CONTINENTAL LABORATORIES LTD.**  
**101 GREAT RUSSELL STREET, LONDON, W.C.1**

Telephone: MUSEUM 2042/3

## Note These New Vitamin Introductions —



# 'EPHYNAL'

## VITAMIN E

New strength of 'Ephynal' 10mg. tablets is issued for convenience in adjusting dosage to higher levels and ampoules for parenteral administration.

Prescribed by the Medical Profession in : Habitual and threatened abortion ; menopausal disorders ; male infertility and certain neuromuscular diseases.

'Ephynal' Tablets are tasteless and can be chewed or taken with water. They cause no gastric discomfort.

*For further details see Roche price-list, new edition.*

### *Packings :*

Tablets : 3mg. : 30's.  
100's, 250's.

New 10mg.: 25's, 100's.  
500's.

20mg. 20's, 100's.

New 1cc. Ampoules :  
30mg. 6's.



# 'BENADON'

## VITAMIN B<sub>6</sub>

We are pleased to announce the introduction of Vitamin B<sub>6</sub> (also known as pyridoxine or adermin) manufactured by Roche and issued under the trade name 'Benadon'. Tablets of 20mg. are available in 25's and 100's, and 2 c.c. ampoules, each containing 50mg. in 6's.

### *Further Information on Application*

**ROCHE PRODUCTS LIMITED**  
**WELWYN GARDEN CITY, HERTS.**

*Scottish Depot : 665, Great Western Road, Glasgow, W.2.*



*A rapid seller for autumn  
and winter trade*



*An up-to-the minute  
formula for*

**COUGHS, COLDS, SORE THROATS,  
BRONCHIAL CONGESTION, ETC.**

*Brings profit and goodwill to every pharmacy*

TRADE PRICE, 8/- per dozen. Packed in units of 3 doz.—containers of 4 units. Adequate supplies available through your usual wholesaler or direct from

**HOWARD - TAYLOR LTD.**

Manufacturing Chemists, 89 KINGSWAY, LONDON, W.C.2

**GROUND**

**DRIED YEAST**

**MIDGLEY & PARKINSON, LTD.**

WARREN WORKS, PUDSEY, LEEDS

**BLYTON ASTLEY & CO., LTD.**

Eagle Laboratories

**LOWER BROUGHTON, MANCHESTER**

thank their customers for their patience and forbearance during these difficult times, and assure them that every effort is being made to supply quickly lines which they have previously purchased

**NEPENTHE.**

**THE SAFEST AND BEST  
PREPARATION OF OPIUM**

The word "Nepenthe" is registered under the Trade Marks Act, and is our exclusive property. No Substitute may be dispensed when "Nepenthe" is ordered in a prescription. "Nepenthe" comes within the regulations of the Dangerous Drugs Act, 1920

**FERRIS & COMPANY, LIMITED, BRISTOL**

**Tablets and Pills** *Packed or Bulk*

**ASPIRIN**

*Private formulae Pills and Tablets carefully and accurately prepared at lowest possible prices.*

**CASCARA**

*Latest Automatic Pill Plant.*

*and all*

**WE WELCOME  
ENQUIRIES**

**TABLETS and PILLS**

**CASTLE HUSKISSON LTD.**

**MANUFACTURING CHEMISTS**

**SWINTON WORKS, MOON STREET, ISLINGTON**

**LONDON, N.1**

**Telephone : Canonbury 3466**

**ESTABLISHED 1768**

# HOW MANY SUFFER FROM INDIGESTION DAILY?

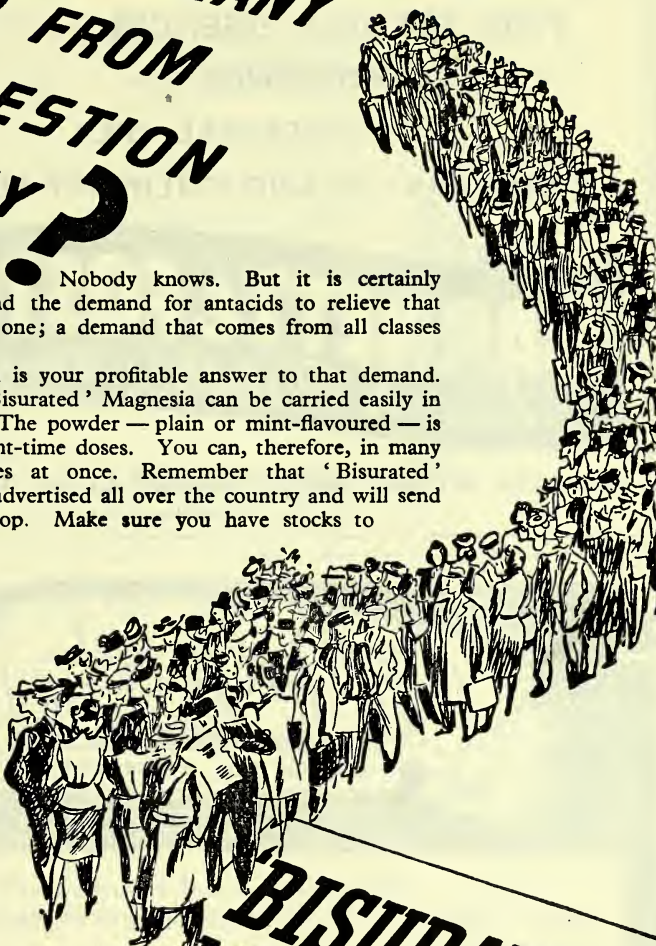
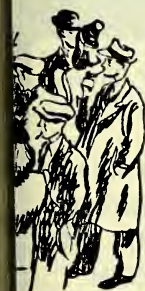
Nobody knows. But it is certainly a large number. And the demand for antacids to relieve that indigestion is a large one; a demand that comes from all classes and every adult age.

'Bisurated' Magnesia is your profitable answer to that demand. In its tablet form, 'Bisurated' Magnesia can be carried easily in handbag or pocket. The powder — plain or mint-flavoured — is recommended for night-time doses. You can, therefore, in many cases make two sales at once. Remember that 'Bisurated' Magnesia is strongly advertised all over the country and will send customers to *your* shop. Make sure you have stocks to satisfy them.

'Bisurated' Magnesia tablets and powder both retail at 5 and 2/10 including purchase tax. Trade price 12/- 24/- a dozen respectively. Additional quantity discounts:

5%	£5	7%	£10	10%
Freight paid on £3 parcels and over.				

Special display bonus of 14/- the dozen for 14 days window or counter display.



## 'BISURATED' Magnesia

INTERNATIONAL CHEMICAL COMPANY  
115 FIFTH AVENUE, EUSTON ROAD, N.W.1

LTD..



# "RED CLUB BRAND"

FINE SOLUBLE ESSENCES

FLAVOURINGS

ESSENTIAL OILS

"NIAGARA" BRAND CULINARY FLAVOURS



NIAGARA WORKS, EAGLE WHARF ROAD, LONDON, N.I

Telephone : CLERKENWELL 7241



Manufacturers and Distributors of the following  
World-Famed Products

Write for Profit-  
able Quantity  
& Display Terms.

Show Material  
also available on  
Request.

**BILE BEANS**  
**PEPS TABLETS**

**KUTNOW'S** Effervescent  
Saline  
**ASPADEL TABLETS**

**GUY'S TONIC, TONIC PASTILLES AND FRUIT PILLS**

**ZAM-BUK OINTMENT**

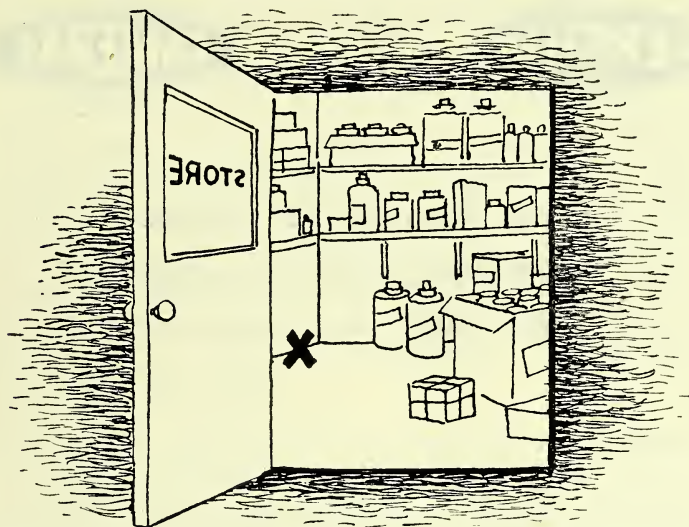
**ZAM-BUK SUPPOSITORIES**

★ **ZAM-BUK MEDICINAL SOAP**

**VEN-YUSA FACECREAM**

★ At present in short supply





**X marks the place where the  
empty Ribena bottles were**

Wise chemist, he thought of future supplies of full bottles, and his empties are now on the way back to us by the same route and channel as the full ones reached him.

Knowing that the journey sometimes takes as long as three months, he gets his empties away as quickly as he can.

No doubt you do exactly the same—but this will remind those who don't that the bottle shortage is still serious.

***Ribena***  
**BLACKCURRANT SYRUP**



Space Reserved for Kershaw  
Advertising as soon as present  
orders have been executed.

**Leda breaks the bottle neck!**



No need to blame the  
bottle shortage for  
non-delivery of your  
orders any longer.



Here is an entirely new preparation which comes in attractive 1-lb & 1/2-lb tins—a small handful of Leda Pine Powder dissolved in water produces several gallons of fragrant, pine-odoured fluid with high detergent and disinfectant properties. Abundant supplies available. No purchase tax payable. Wholesalers only supplied. Enquiries & prices from the manufacturers

### LEDA CHEMICALS LTD.

94 ARCHWAY RD., LONDON, N.19.

ARC. 4877:

Sole Agents Scotland:

SOUTHERN MANUFACTURING CO. LTD.  
187, St. Vincent Street, Glasgow, C.2.

**Fancy Gift Boxes** YOUR ENQUIRIES  
WELCOMED  
Stating size required,  
quantity, when we will  
gladly quote, and state  
delivery position.

(empty, various sizes)

**L.L.N. & CO. LTD.**  
Albermarle House, 265 Anlaby Rd., Hull

### PERFUMERY LABELS

Attractive stock designs in small or  
large quantities, also Chemists' labels.

**L.L.N. & CO. LTD. "S" DEPT.,**  
ALBERMARLE HOUSE, ANLABY RD., HULL

**RHOSEM, EMULSIFYING WAXES,  
COSMETIC COLOURS, PERFUME  
AND CHEMICALS**

**QUALITY AND SERVICE**

Lee-Narvill Laboratories, Anlaby Rd., Hull

## Sterilisation of Parenteral Preparations—

The method of sterilisation by heating with a bactericide, as described in Appendix XVI of the Fourth Addendum to the B.P. 1932, is particularly convenient for Pharmacists preparing solutions of such substances as atropine sulphate, cocaine hydrochloride, morphine hydrochloride, sulphate or tartrate, procaine hydrochloride and physostigmine salicylate.

No special apparatus is required for this method; simply add 0.002% w/v of Phenylmercuric Nitrate to the preparation and heat in the final containers at 98° to 100° C. for the requisite period.

« WB »

### PHENYLMERCURIC NITRATE

is supplied for this purpose in tubes containing 1 gm. and 10 gm.

Full details of this method of sterilisation will gladly be forwarded on request.

*Pharmacists are also invited to apply for copies of the current edition of the Price list of « WB » Medical Products*

# WARD. BLENKINSOP

G CO LTD

6, Henrietta Place

LONDON W. 1

LANGHAM 3185

Trade



Mark

Duochem. Westde. London



**THIRTY YEARS REPUTATION**

*Kenrosa*  
**HAIR PREPARATIONS**

*Kenrosa* LTD.  
LONDON. E.5.

Manufacturers of  
**PASHANA, FOUGERE LOTIONS,  
TONER, EY'S DRY SHAMPOO ETC.**

## Syndrum Baby Cream

(Regd.)

An elegant, economical, neutral, richly emollient, URINE PROOF, pleasant to use emulsion of suitably medicated soft paraffin.

Although Syndrum Baby Cream is URINE PROOF it is EASILY WASHED AWAY with soap and water.

Retails at 2 11d. per 4 oz. jar including P. tax. T.D. 33½%.

Scottish Distribution by:—

Pharmaceutical Distributors Ltd.,  
187 St. Vincent Street, Glasgow, C.2

East Anglia Distribution by:—

C. R. Crosskill & Sons,  
Calvert Works, Norwich

Prime Distribution by:—

**CLARKSON WADE LIMITED**  
BURNLEY. LANC.

## SOFT SOAPS

for Textile and other technical and general uses.

Some lines not yet available owing to war-time regulations.

**W. M. DELF & CO.,**  
SOAP AND DISINFECTANT MANUFACTURERS  
**DELCO WORKS, RICE LANE, LIVERPOOL, 9**

Telegrams: Glycerine, Liverpool  
Telephone: Aintree 1752 (2 lines)

## KOKO FOR THE HAIR

50 years reputation as  
HAIR TONIC and DRESSING  
PROMOTES GROWTH  
STOPS FALLING HAIR  
CLEARS DANDRUFF

Delightfully perfumed

Thousands of testimonials

In limited supply from Wholesalers.

**KOKO MARICOPAS CO. LTD., 3, Fleet Lane, E.C.**





# MANESTY TABLET MAKING MACHINERY



**MANESTY  
F  
TABLET  
MACHINE**

OUTPUT  
90  
PER MIN.

FOR TABLETS UP TO  $\frac{3}{4}$ " DIAM.



**MANESTY  
No 1  
TABLET  
MACHINE**

OUTPUT  
90 PER MIN.

FOR TABLETS  
UP TO  $\frac{1}{2}$ " DIAM.



**MANESTY  
E  
TABLET  
MACHINE**

OUTPUT  
90-100  
PER MIN.

FOR TABLETS UP TO  $\frac{1}{2}$ " DIAM.



**MANESTY  
HAND  
COMPACT  
PRESS**

OUTPUT  
2000  
COMPACTS  
PER DAY

**MANESTY  
COPPER  
COATING  
PAN**



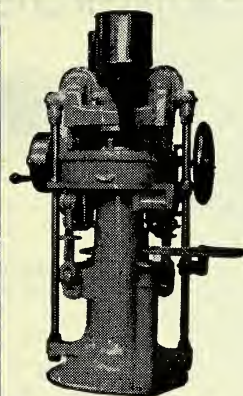
STANDARD  
SIZE  
30" DIAM.



**MANESTY  
B.B.3  
ROTARY  
TABLET  
MACHINE**

OUTPUT  
1000-1500  
PER MIN.

FOR TABLETS UP TO  $\frac{1}{2}$ " DIAM.



**MANESTY**

## 'BB3' ROTARY TABLET MACHINES

For large outputs

Made in two Models

27 Punch model for tablets  
up to  $\frac{1}{2}$ " diameter,  
Output: 10,020 tablets per  
minute.

33 Punch model for tablets  
up to  $\frac{11}{16}$ " diameter,  
Output: 12,030 tablets per  
minute.

The above outputs are for Machines with  
self-contained electric motor drive. We  
can also supply variable speed drive giving  
increased outputs if necessary.

FULL PARTICULARS ON REQUEST



**MANESTY  
No 2  
TABLET  
MACHINE**

OUTPUT  
55-220  
PER MIN.

FOR TABLETS UP TO  $\frac{1}{2}$ " DIAM.



**MANESTY  
R.S.1  
ROTARY  
TABLET  
MACHINE**

OUTPUT  
168-336  
PER MIN.

FOR TABLETS UP TO  $\frac{3}{8}$ " DIAM.

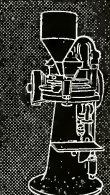
**MANESTY  
B3  
ROTARY  
TABLET  
MACHINE**



OUTPUT  
400-500  
PER MIN.

FOR TABLETS UP TO  $\frac{1}{2}$ " DIAM.

**MANESTY  
D3  
ROTARY  
TABLET  
MACHINE**



OUTPUT  
300-350  
PER MIN.

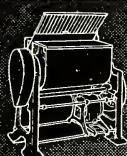
FOR TABLETS UP TO 1" DIAM.



**MANESTY  
OSCILLATING  
GRANULATOR**

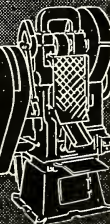
OUTPUT  
150-224  
LBS.  
PER HOUR

**MANESTY  
MIXER**



CAPACITY  
100 LBS.  
OF POWDER

**MANESTY  
No 3  
TABLET  
MACHINE**



OUTPUT  
30-400  
PER MIN.

FOR TABLETS UP TO  $2\frac{1}{4}$ " DIAM.

# MANESTY MACHINES LIMITED

5 SPEKE HALL ROAD, LIVERPOOL, 19.

TELEPHONE: HUNTS CROSS 1321.

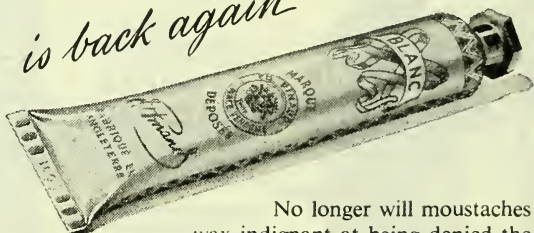
TELEGRAMS MANESTY, LIVERPOOL



TRADE MARK

PINAUD

"POMMADE HONGROISE"

*is back again-*

No longer will moustaches  
wax indignant at being denied the  
encouragement they enjoyed in pre-war days . . .  
POMMADE HONGROISE has returned!

Always one of Pinaud's most popular toilet pre-  
parations, POMMADE HONGROISE Moustache  
Wax will again be a good steady selling line. Details  
of prices and supplies (which are not yet as plentiful  
as in the old days), from leading wholesalers, or from  
PINAUD LTD., ATKINS ROAD, LONDON, S.W.12

*P.S. There is a distinct possibility that shortly we shall  
be able to announce the return of two more PINAUD  
favourites!*

Members of the P.T.A. and H.T.A.

# PINAUD

PARIS

LONDON

NEW YORK





# Potter's Catarrh Pastilles



**PATA**

Revised  
Prices from  
**Sept. 1st**

RETAIL  
1/3 each  
WHOLESALE  
9/- per doz.  
plus Tax 1/6

**NOV.**

**9**

**POPPY DAY  
REMEMBER  
GENEROUSLY**

.....are still in short supply.  
WE do our utmost to equalise dis-  
tribution to Chemists.

YOU can help by ensuring that  
those whose need is greatest receive  
their share. Please economize.

**POTTER & CLARKE LTD.**

60 - 64 ARTILLERY LANE, LONDON, E.I.

and

77 DANTZIG STREET, MANCHESTER 4

# POST-WAR MARKET NEWS

summarising post-war opportunities, special notices, new packaging and new products

## WE THANK YOU

for your patient co-operation and appreciation of our difficulties in maintaining an equal distribution of supplies. As soon as restrictions are eased, we will assure you of our best possible service.

Druggists' Sundries; Toilet Requisites; Surgical and Rubber Appliances. Contraceptives.

## Burge, Warren & Ridgley, Ltd.

45, CITY ROAD, LONDON, E.C.1

Phone : Grams :  
CLE 1710. & 5371 "Drugsund, Finsquare, London."

**Victory V**  
GUMS & LOZENGES  
*make you many*  
**WARM friends**

FRYER & CO. (Nelson) LTD. NELSON, LANC.

## D.D.T. FLY PAPERS!!

*At last death to flies*

No more sticky messy flypapers, here is the amazing D.D.T. for sale in a unique form. NO mess, NO trouble, the season's best seller. Repeat sales at once. Write for sample order now. Retail at 4½d. Cost 36/- per gross. Orders executed in rotation.

Sample gross C.W.O. — Trade enquiries invited.

**B.B. INSECTICIDES**

2 BELGRAVE PARADE  
STOKE POGES LANE

SLOUGH - - BUCKS

## The Soapless Shampoo



"Un'que qualities. Unusually powerful foam'ng. Freedom from drying action. Delightfully perfumed."

A PROFITABLE LINE:

Cost per gross £3 4 0 inc. P.T. Sell per gross £4 10 0 inc. P.T. Profit per gross £1 6 0.

R: DEMUTH LTD, Farnham, Surrey

Dr. KNOX'S

## Antiseptic Smelling Salts

NOW AVAILABLE IN QUANTITY

Packed in 1 Dozen - Show Outers

Retail 1/3 - Trade 9/- dozen  
plus ½ Tax

**JOHN KNOX**

Cannon St., Hanley  
STOKE-on-TRENT

36/38 Dean St.  
BIRMINGHAM, 5

A reputation for reliability . . .

# "Sentinel"

ALL COTTON WOOL

**SANI-TOWELS**

"with the soft seamless knitted covering"

SIZES 1, 2, 3 AND MATERNITY also

'KUMFEX' SOLUBLE (all with loop ends)

★Supplies unfortunately restricted at present

**SPLENDOR LTD. Nottingham & London**





# WHEN CUSTOMERS ASK FOR ASPIRIN



The chemist who recommends 'Tabloid' brand Aspirin is doing more than effecting an immediate sale — he is building up valuable goodwill. Customers are quick to appreciate the fine finish, rapid disintegration and consistent action of this high-quality product. Display and recommend 'Tabloid' brand Aspirin; every sale is a worth-while transaction.

## 'TABLOID' BRAND ASPIRIN

*Gr. 5, bottles of 25, 1/0, plus 1½d. Purchase Tax.*

*Gr. 5, bottles of 100, 2/10, plus 4½d. Purchase Tax.*

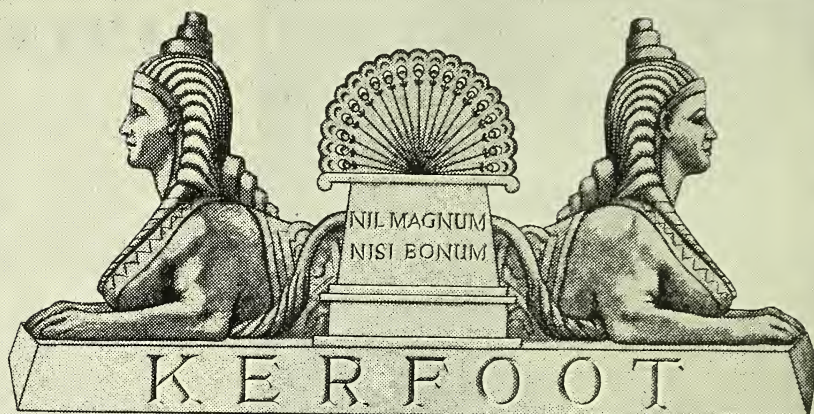
*Retail prices, subject to trade discount.*



**BURROUGHS WELLCOME & CO. (THE WELLCOME FOUNDATION LTD.) LONDON**



# For OPHTHALMIC TABLETS



THOMAS KERFOOT & CO. LTD., VALE OF BARDSLEY, LANCASHIRE

## ACTRON

BRAND CACHETS  
ANALGESIC and ANTIPYRETIC

### FORMULA :

Quinine	..	..	0.096 grams
Caffeine ..	..	..	0.054 "
Phenazone	..	..	0.150 "
Phenacetin	..	..	0.250 "
Magnesium oxide	..	..	0.100 "

### INDICATIONS :

INFLUENZA and feverish colds.  
NEURALGIA, RHEUMATISM and  
HEADACHES.  
DYSMENORRHOEA.  
PAIN following teeth extraction.

Available in boxes of 4 and 12 cachets

## FERRAEMIA

BRAND TABLETS  
FOR ANAEMIA

### FORMULA :

Ferrous Sulphate exsicc.	..	2½ grains
Dried Yeast	..	2 "
Copper Sulphate	..	100 "
Manganese Hypophos.	..	100 "
Excipient and coating	to	8½ "

### INDICATIONS :

As a tonic during convalescence and  
in debilitated conditions.  
Anaemia of Pregnancy.  
Nutritional Anaemia.  
Idiopathic Hypochromic Anaemia

Available in bottles of 60 and 1000 tablets

**WILCOX, JOZEAU & CO. LTD.**

74-77 White Lion Street, London, N.I.

19 Temple Bar, Dublin

ETS



# The CHEMIST AND DRUGGIST

For RETAILER—WHOLESALE—MANUFACTURER

Published weekly at 28 ESSEX STREET, STRAND, LONDON, W.C.2

Telegrams: "CHEMICUS, ESTRAND LONDON."

Telephone: CENTRAL 6565 (10 lines)

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## NEWS OF THE WEEK

**Anæsthesia Centenary Celebrations.**—Part of celebrations marking the centenary of anæsthesia, the Association of Anæsthetists held a dinner in London, recently.

**Commercial Travellers' Benevolent Institution.**—The annual court of governors of the Commercial Travellers' Benevolent Institution will be held at 4B Frederick's Place, Old Jewry, London, E.C.2, at 12 noon on December 28.

**Withdrawal of D.D. Authorities.**—The Home Secretary has withdrawn from William George Burns, M.A., Ch.B., 30 Lynsday Gardens, Kensington, London, W.8, his authorities granted by the regulation made under the Dangerous Drugs Acts.

**October Exports.**—Replying on November 5 to the debate in the House of Commons on home and overseas trade, Mr. Armand, Secretary for Overseas Trade, said exports for October were estimated at 91 millions.

**Rheumatism Centres.**—Sir Wilson Jameson (Chief Medical Officer of the Ministry of Health) told a recent conference of the

Empire Rheumatism Council that, under the National Health Service, centres for rheumatism diagnosis and research would be established in conjunction with university medical departments.

**Value of Whale Protein.**—The Department of Scientific and Industrial Research is sending a team of scientists to the Antarctic to study the possibilities of using whale meat for human food. From work previously carried out there are indications that, as a result of the submarine adaptation of the whale, the proteins of whale meat are of greater value for human growth than those of the meat of land animals.

**Science in Education.**—Sir Jack Drummond (research director, Boots Pure Drug Co., Ltd.), addressing a meeting of the East Midland branch of the Association of Scientific Workers, at Nottingham recently, gave a warning against raising science to the position of a god. Many scientists had become so wedded to their doctrine that their judgment was warped. Science, said the speaker, should be given a more balanced part in education.



**Soap for Expectant Mothers.**—The Minister of Food announces that expectant mothers whose confinement takes place at home, i.e., other than in a nursing home, hospital or other institution, may now have four additional rations of soap to meet their special needs. Application should be made to the local food office at the time of the official renewal of the R.B.2 ration book, or at any time within three months of the expected date of birth of the child.

**"Britain Can Make It" Exhibition.**—It is announced that this exhibition, at the Victoria and Albert Museum, South Kensington, London, will in future be closed to the public on each Friday morning from 9.15 a.m. to 1 p.m. and admittance will be restricted to directors, managers and trade buyers of industrial and commercial establishments and foreign visitors, who may obtain admittance on presentation of signed business cards. The exhibition will remain open until December 31.

**Increased Sweets Ration.**—The Minister of Food has issued a general licence increasing the amount of sugar confectionery, for re-manufacture only, which a manufacturer may obtain in each ration period, without the surrender of personal points, to 5 per cent. of the total quantity obtained during the twelve months ended June 30, 1939. The maximum quantity obtainable in each ration period remains unaltered at 1 cwt. The increase comes into force on November 10.

**Television in Colour.**—A method of reproducing colour for television entirely by electronic means was demonstrated at Princeton recently by the Radio Corporation of America. Three kinescope tubes receive separate signals representing red, blue, and green colours. The colour images are then projected optically on to a screen where they merge to form a colour picture. In transmission a light beam is focussed through a film containing the original colour picture. The beam is separated by a system of photo-electric cells and mirrors into the three colour components, which are transmitted continuously as separate units, to be merged again on the receiving screen.

**Advances in Tropical Medicine.**—Starting results have been obtained by intravenous injections of phenanthridinium 1553 in the fight against nagana in Northern Rhodesia, according to Mr. J. H. N. Hobday, a speaker at the Pan-African Trypanosomiasis Conference, held recently in Lourenco Marques (Portuguese East Africa).

In his opinion this drug was a big advance and put science in a stronger position than ever before in the combat against the tropical disease.

## LOCAL NEWS

**Savings Prizewinners.**—Duncan, Floohart & Co., Edinburgh, were the winners of a shield in a savings competition organised in Edinburgh.

**Wine Licence Refused.**—An application by St. Cuthberts Co-operative Association Ltd., for a wine licence for their pharmacy branch at 22 Bread Street, Edinburgh, was refused at a recent session of the Edinburgh licensing court.

**Aberdeen Shop Control.**—Aberdeen Town Council has announced that it will build and let all retail shops in its new housing areas, thus preventing the development there of privately-owned and erected shops.

**Liverpool Salaries Conference.**—A joint conference of the British Association of Chemists and the Association of Scientific Workers, held recently in Liverpool, a resolution was passed approving of the introduction of minimum salary scales for the chemical profession.

**Merseyside Women Pharmacists.**—Merseyside branch of the National Association of Women Pharmacists has been formed and the following officers elected: *President*, Miss M. G. Dodd; *Treasurer*, Mrs. E. Jones; *Secretary*, Mrs. M. Townley. 16 Hurst Bank, Rock Ferry.

**Northumberland Golf Cup.**—A competition cup in silver has been presented to the Northumberland and Durham Chemist Golfing Society by Johnson & Johnson (Great Britain), Ltd. The trophy was formally handed to the Society by Mr. Ingram Duncan (the company's local representative) recently.

**Cosmetic Lecture.**—An audience of 14 members and visitors heard Mr. Frederick Dallow (Ashley & Weeks, Ltd.) lecture on the small-scale manufacture of cosmetic and perfumes at a recent meeting of the West Ham and East Metropolitan Branch of the Pharmaceutical Society. The lecture was illustrated by means of an epidiascope loaned by May & Baker, Ltd.

**Thames Valley Penicillin Lecture.**—An audience of nearly 200, including many doctors, attended a recent meeting of the Thames Valley Pharmacists' Association to hear Dr. G. R. Boyes, Ph.C., lecture on "Penicillin at the Dispensing Counter."



ter the lecture Mr. B. J. Thomas, M.P.S., gave a practical demonstration of the dispensing of penicillin preparations.

**Chemistry Displays at an Exhibition.**—Part of its fiftieth anniversary celebrations, the Northern Polytechnic, Holloway, London, N.7, held recently an exhibition of students' work and scientific experiments, dealing among other subjects with the manufacture of dyes and drugs from coal; extraction of oils and fats; botanical experiments; bacteria; and zoological specimens.

**Manchester Masonic Meeting.**—At the annual meeting of the Manchester Pharmaceutical Masonic Association held recently in Manchester, the following officers were elected: *Chairman*, Bro. S. S. Renton; *Secy.*, Bro. S. H. Hummel; *Treasurer*, Bro. J. Wild; *Secretary* and *Vice-chairman*, Mr. G. V. Tyler, Central Buildings, Chorley Road, Swinton, Lancs. The meeting concluded with a programme of music.

**Hospital Salary Scales.**—At a recent meeting of the London branch of the Guild of Public Pharmacists, Mr. D. Currie (president) said the Joint Negotiating Committee (hospital staffs) scales compared favourably with the Whitley scales for local government officers. They should be viewed in relation to the bad conditions obtaining when negotiations began. As a result of continued negotiations further increases were about to be made. When the general level of salaries throughout the country was more satisfactory, a cost-of-living bonus for London would be asked for.

**Bournemouth N.H.S. Discussion.**—An audience of 150 heard Dr. R. Clitherow, M.P. (general secretary, Registered Pharmacists' Union) address a recent meeting of the Bournemouth Pharmaceutical Association on "Pharmacy in the National Health Service." Dr. Clitherow gave an account of the negotiations which had taken place on the Bill, and said he had been able to ensure that dispensaries in health centres would be subject to the same supervision as private contractors. The private pharmacist had nothing to fear if he gave a first-class service. The Bill stated that dispensing in health centres would be under the supervision of a pharmacist; it was essential to prevent one pharmacist from supervising a dozen unqualified dispensers. Dr. Clitherow urged that pharmacists should unite, with their qualification as a common bond, in the Registered Pharmacists' Union. Mr. McElhugh, in discussion, said there was no need for State dispensaries.

## IRISH NEWS

**Whaling Ship's Dispensary.**—The new whaling ship "Balaena" which left Belfast for sea trials recently is equipped with a ship's hospital, including a modern operating theatre and dispensary.

**Dublin Dramatic Society Dance.**—The 300 guests at a dance held in Dublin recently by the Pharmaceutical Chemists' Dramatic Society included Mr. J. K. Whelehan (president of the Pharmaceutical Society of Ireland) and Mrs. Whelehan. Members of Irish chemists' social, sporting and students organisations were present. The proceeds of the dance will be used to finance the production of a three-act play in Dublin.

**Eire Chemists' Rugby Club.**—The annual meeting of the Chemists' Rugby Club was held in Dublin on October 16, Mr. D. J. Nugent (president) in the chair. Mr. P. J. Moran (secretary), reported on the activities of the past year. The following officers were elected: *President*, Mr. J. K. Whelehan; *Vice-President*, Messrs. F. X. Meagher, D. J. Nugent, M. Costelloe, L. G. Smith, P. F. McGrath, M. Nicoll, G. C. O'Neill, J. J. Roche, F. Roche; *Captain*, Mr. C. Foley; *Vice-captain*, Mr. A. Hennessey; *Secretary*, Mr. P. J. Moran, 197 North Circular Road, Dublin; *Assistant Secretary*, Mr. G. Dawson; *Treasurer*, Mr. J. J. Tierney; *Committee*, Messrs. P. Twohig, M. Kissane, P. Murphy, L. Sexton, R. Shore.

**Gaelic Athletic Club.**—Mr. P. C. Cahill was in the chair at the annual meeting of the Chemists' Gaelic Athletic Club, held recently in Dublin. The large and representative attendance included Mr. P. A. Brady (vice-president, Pharmaceutical Society of Ireland), and Messrs. J. Gleeson, F. X. Meagher, G. O'Neill, and C. J. Cremen (members of the Council). Mr. Seamus Fox, Ph.C. (secretary), stated that the club had every reason to be proud of its activities during the year. The senior team had been beaten only by a narrow margin in the semi-final. The club might well look forward to winning the McGeady Cup in the coming season. Mr. T. Banks (treasurer), reported that the club's finances were in a healthy state. A vote of thanks to the pharmaceutical press for the publicity given to the club's activities was passed. The following *Committee* for the next twelve months was elected: Messrs. P. C. Cahill, T. Banks, T. O'Keefe, P. Cosgrove, G. Henry, J. Casterley, B. Kissane, M. Moore, Kevin Banks, and Seamus Fox.

## COMPANY NEWS

**LANE MEDICATED PRODUCTS, LTD. (P.C.).**—Capital £1,000. To carry on the business of manufacturing chemists, druggists, etc. Wm. E. Moffatt and Jas. H. Moffatt, directors. R.O.: 24 Eastcheap, London, E.C.3.

**SPEEDOIL (GREAT BRITAIN), LTD. (P.C.).**—Capital £500. To carry on the business of chemists, druggists, etc. First directors are not named. R.O.: 20 Chandos Avenue, Whetstone, London, N.20.

**T. T. NICHOLSON, LTD. (P.C.).**—Capital £2,000. To carry on the business of chemists, etc. Wm. R. I. Nicholson, M.P.S. and Thos. L. E. Nicholson, directors. R.O.: 125 Hampstead Road, London, N.W.1.

**ANTIGEN, LTD. (P.C.).**—Registered in Dublin. Capital £10,000. To carry on business as chemical and biological manufacturers and bacteriologists, etc. The first directors are not named.

**CUPID PRODUCTS, LTD. (P.C.).**—Capital £300. To carry on the business of manufacturers, exporters and importers of medicines, drugs, proprietary articles, etc. The first directors are to be appointed. R.O.: 45 Main Street, Callander.

**ANN CAVENDISH, LTD. (P.C.).**—Capital £1,000. To carry on the business of manufacturers of and dealers in perfumes and cosmetics, etc. Stanley C. Jay and Mrs. Ann A. Jay, both of 16 Albemarle, Parkside, Wimbledon, London, S.W.19. directors. R.O.: 18 Maddox Street, London, W.1.

**HELLENBERG INTERNATIONAL (LONDON), LTD. (P.C.).**—Capital £1,000. To act as purchasing and shipping office for their associate companies in Denmark, Norway, Sweden and the U.S.A. H. Hellenberg (Danish), director. R.O.: 8 Drapers' Gardens, London, E.C.2.

**W. A. TOWNSEND, LTD. (P.C.).**—Capital £4,000. To carry on the business of manufacturers of and dealers in chemicals, gases, drugs, medicines, etc. Osman J. Betty, The Wyke, Long Ashton, nr. Bristol; Geo. R. Hannah, 128 Shirehampton Road, Bristol, 9; and Edith M. Payne, 46 Passage Road, Westbury-on-Trym, directors. R.O.: 41 Corn Street, Bristol, 1.

**F. A. BILLINGTON (CHEMISTS), LTD. (P.C.).**—Capital £1,000. To carry on the business of wholesale and retail chemists, etc. Frederick A. Billington, M.P.S. and Albert S. Harris, M.P.S., directors. R.O.: 157 Oldbury Road, Whiteheath, Rowley Regis, Staffs.

**DARRICOTTE CHEMISTS, LTD. (P.C.).**—Capital £300. To acquire the business of a chemist carried on by A. D. Fox, M.P.S., a 81 Ulleswater Road, Lancaster. A. Darricotte and G. D. Darricotte, both of 112 Chorley Road, Walton le Dale, Preston, and Harold Fieldhouse, M.P.S., 15 Malvern Avenue, Lancaster, directors. R.O.: 8 Ulleswater Road, Lancaster.

**ALFRED GREEN (CHEMICALS), LTD. (P.C.).**—Capital £2,000. To acquire the business of wholesale chemical merchant carried on by A. Green at Upper Cross Street, Northampton. Alfred Green, 115 Ardington Road, Northampton; and Leslie Green, 69 Adnitt Road, Northampton directors. R.O.: Upper Cross Street, Bath Street, Northampton.

**LEVER BROS. & UNILEVER, LTD.**—The board of this company is to recommend to the annual general meeting a dividend of 5 per cent. (actual 1s. per £ of stock), less income tax.

**IRISH PHARMACEUTICALS, LTD.**—The report presented to the fourteenth annual general meeting of the company, held in Dublin recently, showed that both I.P. Ltd. and its subsidiary companies had experienced a successful year. Moving the adoption of the report and statement of accounts for the year ending June 30, Mr. S. McCauley, chairman and managing director, referred to the substantial increase in net profit, which was mainly attributable to the increased turnover, in itself a good indication of the progress of the company. The sales for Dawn, Ltd., were much the same as for the previous twelve months. Since June 30, the turnover had continued to expand and in spite of many difficulties with which they had to contend the directors were hopeful of presenting an even more satisfactory report at the end of the current financial year. Following the termination of the war there had been some improvement in the general supply position of raw materials, but this had deteriorated over the last six months, and for several commodities the prospects in regard to replenishments were very remote. Throughout the emergency period one of their greatest standbys had been the Irish Glass Bottle Co., who met all demands in full. They had been remarkably successful in the number of proprietaries which they had sold. Contemplated extensions were estimated at between £4,000 and £5,000.



## TOPICAL REFLECTIONS

### Leaves or Addenda

The suggestion, on which you comment ditorially (p. 565), that future British Pharmacopœias might be issued in loose-leaf form is one of those superficially attractive ideas that will not pass the test of practicality. As you point out, the pace of pharmaceutical progress has increased in recent years. Going back in the pharmaceutical annals of this country, the same process may be deduced from a comparison between the intervals in publication of the ten London Pharmacopœias and those of the six British Pharmacopœias. Disregarding reprints and Addenda, the average of the nine intervals between the publication dates of the older set of books is approximately twenty-six years, whereas that of the corresponding five intervals between 1864 and 1932 is less than fourteen years. Your reference to the wear and tear of the volumes suggests a Miltonic prospect of the equivalent of "autumn leaves in Vallombrosa" strewn the floor of the dispensary. Two objections to what may be called a foliateous solution of the problem seem to be conclusive. The first is that a book published under statutory authority must be self-contained or must lose some of its validity: the second is that a satisfactory way of indexing loose-leaf additions to a printed volume is, so far as I know, undiscovered. It may be argued that even Acts of Parliament are now subjected to a good deal of tinkering, by means of official regulations, after they come into force. That, however, is no reason why a Pharmacopœia should undergo the same treatment. The nearer we can get to a ten-yearly interval between British Pharmacopœias, the better it will be.

### An A.B.C.M. Memorandum

The serious statement on the German chemical industry made at the annual meeting of the Association of British Chemical Manufacturers (p. 562) merits the attention of every good citizen. It cannot be too clearly kept in mind that, as Mr. J. H. Morgan has shown, responsible men in Germany started on a course of deception towards the Allies as soon as the war of 1914-18 ended. The chairman (Mr. L. P. O'Brien) of the A.B.C.M. holds, as the outcome of experience in two world wars, that the chemical industry of Germany is that country's greatest asset "in her peace-time economy and in her war potential." At the time of writing, the chairman's question

about the fate of the Association's memorandum on the post-war treatment of that industry remains unanswered: it may be that it was not regarded as "front-page news" in Government circles. He points out that Germany is being allowed to make "dye-stuffs and pharmaceuticals" beyond domestic needs and to export "substantial" quantities; he foresees a possibility of "the dangerous organisation which had gained so much power in the world in the years before 1939" being re-established. Probably there are people ready to point out that German exports will ease the burden of running expenses falling on Great Britain; but why should these potentially dangerous exports be selected?

### A Scholarly Exhibition

The exhibition at the Wellcome Historical Medical Museum commemorating the centenary of the general use of anæsthetics in surgery (p. 567) is, like earlier exhibitions at the former premises of the Museum in Wigmore Street, distinguished by a wealth of apparatus, books, prints and so forth arranged with fastidious taste. The spacing of the exhibits is admirably calculated, and the descriptive cards are models of good lettering. The exhibition remains open till December 31. Your mention of the books and manuscripts on view reminds me that an expert in such matters whom I met casually last week gave the Wellcome library high praise. We may easily forget the risks attending major operations in pre-anæsthetic days. Speed was, of course, essential to the operating surgeon. A bell rung at a London hospital to summon attendants to an operation, and now shown in this exhibition, is a grim reminder of those conditions. As you remark, Priestley, Davy and others contributed their respective suggestions towards the scientific use of suitable gases for producing the desired unconsciousness. It may be recalled that at University College Hospital, only a short walk from the Wellcome exhibition, William Martindale, father of the late Dr. W. H. Martindale, assisted Liston in the historic operation performed on December 21, 1846. As is well known, Mr. Martindale was joint author with Dr. Westcott of the "Extra Pharmacopœia," and a president of the British Pharmaceutical Conference. Even surgical operations have their humours: it appears that a child born in 1847 was named Anæsthesia. Perhaps some children born in 1946 are being christened Penicillin.

**Xrayser**



## LEGAL REPORTS

**Combs at Excessive Prices.**—At Kidderminster on October 11, fines totalling £20 were imposed on an Indian pedlar, Erfan Ullah, and his English assistant, Betty Lloyd, both of Summer Lane, Birmingham, who pleaded guilty to a series of charges relating to the sale of combs. Three combs had been offered to an inspector at Ullah's stall at Kidderminster market on March 7 at 100 per cent. more than the controlled price. Each defendant was fined £10.

**Under the Influence of Sal Volatile.**—A plea that he was affected by a dose of sal volatile was put forward on behalf of Charles H. Rose, a metallurgical chemist, South Wolverhampton, who, at Bilston, Staffs, recently, was fined £10, with £6 6s. costs, for driving a motor-car while under the influence of drink. He was also disqualified from driving for a year. For the defence it was intimated that Rose had not taken any intoxicating drink, but, not feeling well, had mixed himself a dose of sal volatile. His condition was due to its being a little stronger than he anticipated. When the Clerk questioned the plea of guilty, in view of that explanation, it was stated that "drink" did not necessarily mean an ordinary drink at a licensed house.

**Pharmacy Director's Binoculars.**—Stated to be now a director of a pharmacy company but formerly a racecourse book-maker, Albert James Gardner, 122 Torridon Road, Catford, sought at Clerkenwell county court recently, to recover two pairs of binoculars, value £21, £2 damages for their detention and £4 in respect of money lent from Harry Taylor, Canonbury. Plaintiff said he gave up the bookmaking business on February 2, the last day on which he had attended a race meeting. Defendant had been employed by him as a tic-tac man. The binoculars were provided by him for Taylor's use while working. The judge said he could see no particular reason why the plaintiff should have given the glasses to the defendant, and he was satisfied that they were not given to him. Judgment would be for specific delivery of the binoculars, £2 damages, and £4 in respect of money lent, with costs.

**Pharmacy Act Fines.**—At Reading magistrate's court on October 25, Brian S. Fidler, trading as Fidler & Sons, Friar Street, Reading, was fined £3 for selling a preparation known as Pearson's weed-killer, a poison included in Part II of the Poisons List, without its being labelled with the

name and address of the seller; he was fined £1 for selling the preparation labelled with the words "poison" modified in meaning by the addition of other words, and £1 for selling the preparation without labelling the container in the prescribed manner. For aiding and abetting in the last two offences Pearson's Antiseptic Co., Ltd., 172 Buckingham Palace Road, London, S.W.1, were fined a total of £20, with costs. Defendant pleaded guilty. An inspector under the Pharmacy and Poisons Act, 1933, pointed out that there were words on the tin stating that the weed-killer was non-poisonous.

**Maximum Fine for Poison Sale.**—The maximum fine of £5, with costs, was imposed recently by the district justice at Waterford, Eire, district court on Philip Fox, Ph.C., Waterford and Tramore, for having sold, at his Waterford premises through an unqualified assistant, an ointment containing ammoniated mercury. The Pharmaceutical Society's solicitor said the Society took a serious view of the case particularly in view of the defendant's failure to give an undertaking that he would employ a qualified person. Without such an undertaking, he said, the Society felt that it would be necessary to report the matter to the Minister for Justice, which might involve the defendant in having his name removed from the register. The district justice said it seemed to him to be a serious kind of offence for which the maximum penalty did not seem to be at all what it ought to be.

**Manslaughter Verdict.**—Sentence of six years' penal servitude was passed at the Belfast Commission on October 21 on Thomas E. Stephenson, aged sixty-one, registered druggist, Wellington Street, Belfast, who was found guilty of the manslaughter of a twenty-two-year-old woman by performing an illegal operation. The woman had died in hospital on August 28 and Stephenson had been tried on a charge of murder. Stephenson collapsed when he heard the sentence. The judge said he could not resist the suggestion that it was not the first time that Stephenson had performed an operation of the kind. The evidence in the case and the way in which the woman got in touch with him certainly suggested he was a person holding himself out as willing to perform an illegal operation. Counsel for Stephenson said he had been in business in Belfast since 1904 and on his own account since 1926. He had an unblemished record.

## JUDGMENT IN "FRIENDLY" ACTION

MR. JUSTICE WYNN-PARRY, on October 25, delivered his reserved judgment in the summons taken out by Potter & Clarke, Ltd., London, against the Pharmaceutical Society of Great Britain (see *C. & D.*, November 2, 1946). He said the Act provided that no person should sell by retail any article containing or comprising a substance recommended as a medicine unless he was an authorised person as described in Section 1, and it was a defence for a person charged with selling in contravention of the Act to prove that the sale was effected at a shop, and that the article was sold under a proprietary designation. The summons asked whether certain specific substances, when sold in a wrapper or container labelled as described, were substances "recommended as a medicine" as defined by the Act.

Dealing separately with each of the substances mentioned, his lordship said that senna pods, when purchased by retail customers, were bought only for the purpose of making an infusion which was used as a laxative or purgative, for which purpose their use was well known to the public. When sold by the plaintiff company they bore on the label the company's name and the words "senna pods." It appeared to him that a sale did not contravene the Act unless it could fairly be said that in some form or another there was a recommendation of the substance as a medicine. In regard to senna pods he answered in the negative the question in the summons.

As to fluid extract of cascara sagrada, it was sold under a label on which appeared the trade mark of the vendor, the words "fluid extract of cascara sagrada," underneath that "British Pharmacopœia," and below that "Dose, half to one teaspoonful in half a wineglassful of water." In his view those words were clearly calculated to lead a purchaser to buy the bottle for the sole purpose of preventing or treating ailment. The reference to the British Pharmacopœia informed the reader that the contents were the subject of a monograph in the British Pharmacopœia and the reference to the dosage made it clear that the contents were offered for sale for no other purpose than, broadly speaking, as a medicine. As to fluid extract of cascara sagrada labelled as described, he answered the question in the summons in the affirmative.

With regard to lemon and squill linctus, a linctus was a preparation used in the

treatment of coughs, and lemon was regarded as a popular remedy for coughs. Squill was used as an expectorant in the treatment of coughs. So far as lemon and squill linctus was concerned, he also answered the question raised in the affirmative.

### "Emphasis" Given by Dose

Dealing with compound rhubarb pills, they were sold by plaintiffs under a label on which appeared the words "Dose, 1 or 2 at bedtime." The word "pills" indicated of itself that the substance was offered as a medicine, and this was emphasised by the reference to the dosage. In respect to compound rhubarb pills as sold, he again answered the question in the affirmative.

As to effervescent powders, they were purchased as a war-time substitute for Seidlitz powders, which were a well-known mild purgative. On the label under which "extra strong effervescent powders" were sold the directions for use were set out in the following terms: "Dissolve the contents of the blue paper in half a tumbler of water, then add powder in the white paper and drink while effervescent. Take first thing in the morning on an empty stomach." The question was whether powders so sold were being "recommended as a medicine." The use of the word "powders" indicated that they were offered as a medicine, the description as a "war-time substitute for Seidlitz powders" was equivalent to describing them as a mild purgative and the direction as to taking them "first thing in the morning on an empty stomach" was offering them for human consumption. In this case he again answered the question raised in the affirmative.

### A Proprietary "All Fours"

Proceeding to deal with "all fours" chest and lung mixture, his lordship said the question was whether it was sold under a proprietary designation when sold in bottles as described. To come within that designation the words used must indicate that the goods were those of a particular person by virtue of manufacture, selection, certification, dealing with or offering for sale. It could not be said that two of the labels in question contained a proprietary designation. As to the third label, which contained the words "Pritchards extra strong all fours chest and lung mixture," he held that it did contain a proprietary designation within the meaning of the Act, and he answered the question with regard to that label in the affirmative.



## BIRTH

**HANNA.**—In Dublin recently, Eithne (née Crowe) the wife of Captain G. D. Hanna (ex Royal Inniskilling Fusiliers) a director of Victor E. Hanna, Ltd., 68-72 Lower Mount Street, Merrion Square, Dublin, of a son.

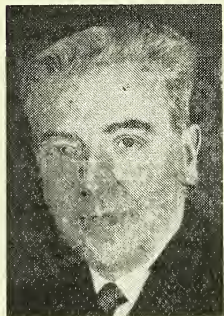
## MARRIAGE

**ROWAN-LAW.**—In Edinburgh recently, James Rowan, M.P.S., Main Street, Inveraray, Argyll, to Betty Thomson Law, M.P.S., 111 Main Street, Uddingstone.

## DEATHS

**ABELL.**—Missing from an operational flight over France on August 9, 1944, and now officially presumed killed, Mr. Edwin Raymond Abell, M.P.S., 72 Queensgate, Bridlington, Yorks. Mr. Abell qualified in 1938.

**BLACKIE.**—At 25 London Street, Edinburgh, suddenly, on October 30, Dr. Joseph John Blackie, Ph.D., Ph.C., F.R.I.C., F.R.S.E., technical partner in Duncan, Flockhart & Co., chemists, Edinburgh. Dr. Blackie served his pharmaceutical apprenticeship with Mr. Christopher Hounam, Duns, Berwickshire. After four years' service in the war of 1914-18 in Gallipoli, Egypt, and France,



he qualified in 1920 from Duncan's School of Pharmacy, Edinburgh, and joined the staff of Duncan, Flockhart & Co., as assistant laboratory manager. Two years later he passed the Pharmaceutical Chemist examination and in 1924 he was promoted laboratory manager. He became a partner in 1930, and since that time had been responsible for the manufacturing side of the business and for research work in connexion with the products issued. From 1925 Dr. Blackie served for various periods on the Pharmaceutical Society's board of examiners, of which, for a number of years, he acted as chairman. In 1935 he graduated Doctor of Philosophy, Edinburgh University, his thesis being on "The Alkaloids of the Genus *Senecio*." During work on the preparation of the thesis, all the British and

many foreign specimens of *Senecio* were examined and a number of new alkaloids isolated. Dr. Blackie was associated in the research with the late Professor George Barger, F.R.S. In 1936 he was elected Fellow of the Royal Institute of Chemistry and in the following year a Fellow of the Royal Society of Edinburgh. He was chairman of the local Conference Committee in connexion with the British Pharmaceutical Conference in Edinburgh in 1938 and on numerous occasions he contributed scientific papers to the evening meetings of the North British Branch of the Pharmaceutical Society. A memorial service was held in St. George's West Church, Edinburgh, on November 2.

**DANIEL.**—On September 17, Mr. Henry Graham Daniel, M.P.S., whose address in the Register is given as Webley Hotel, Dogmaels, Cards. Mr. Daniel qualified in 1911.

**ESCRITT.**—On October 11, Mr. Harold Teal Escritt, managing director of Escritt, Ltd., opticians, Brixton, London S.W.9, aged eighty-two. Mr. Escritt qualified as a chemist and druggist in 1889.

**EVANS.**—In July 1943, from malaria contracted while on service with the armed Forces, Mr. William Prys Evans, M.P.S., Park Avenue, West Twyford, London N.W.10. Mr. Davies qualified in 1938.

**GOUT.**—At Market Place, St. Ives, Cornwall, on October 16, Mr. Lawrence Frederick Gout, M.P.S., formerly of Walsall.

**GRAY.**—At Lochlea, Denny, Stirling, on October 27, Mr. John William Gray, M.P.S., 9 Broad Street, Denny, aged fifty-eight.

**GREEN.**—On October 5, Mr. William Green, M.P.S., 7 Watling Street, Elstree, Herts. Mr. Green qualified in 1920.

**IRVING.**—At the Melitia private hospital, Takapuna, Auckland, New Zealand, on July 5, Mr. Eldred Irving, Ph.C., The Medical Hall, Victoria Street, Dargaville, New Zealand, aged seventy. Mr. Irvin qualified as a chemist and druggist in 1901 and passed the Pharmaceutical Chemist examination in 1913. He was at one time on the staff of the Royal Naval Hospital, Stonehouse, Plymouth.

**JACKSON.**—At his residence at Creditor Devon, on October 31, Mr. William Hodgkinson Jackson, aged eighty-eight. Mr. Jackson qualified as a pharmaceutical chemist in 1880, and was chairman of Ernest Jackson & Co., Ltd., lozenge manufacturers, Creditor.



**JAMES.**—On October 18, after a short illness, Mrs. Daisy Maude James, wife of Mr. G. M. James, M.P.S., 25 High Street, Llyl, Flintshire.

**McGOWAN.**—At Brookville, Fauld House, on October 22, Mrs. Liliash Shaw McGowan, wife of Mr. Halbert McGowan, 4 East Main Street, Whitburn, West Lothian.

**MCMILLAN.**—On September 27, Mrs. Liliash McGowan, wife of Mr. John McMillan, M.P.S., 25 Broadloan, Renfrews.

**SMITH.**—On October 9, Mrs. Rose Mary Smith, the wife of Mr. Alexander Smith, M.P.S., 26 High Street, Tring.

**WAIN.**—On October 30, Mr. Charles Oliver Wain, Tower House, Haslingden, formerly of 8 Church Street, Haslingden. Mr. Wain qualified as a chemist and druggist in 1886 and was for many years in business locally. He was a deacon at the local Congregational chapel, a director of Haslingden Union Gas Co., and a member of the local Liberal Club.

**WALKER.**—On October 14, Mr. Robert Wain McCubbing Walker, M.P.S., 28 Ottago Street, Glasgow, W.2, aged sixty-three.

**WINDLEY.**—On October 14, Mr. Lawrence Windley, M.P.S., whose address in the Register is 99 Upwall Street, Sheffield, aged sixty-three.

**WRIGHT.**—Recently, Mr. Alfred William Wright, M.P.S., whose address in the Register is given as 6 Beaufort Road, Bristol, 7. Mr. Wright qualified in 1920.

## WILLS

**MR. THOMAS DAVID ARCHER, M.P.S.,** 34 Quemerford Road, Holloway, London N.7, left £3,383, with net personality £3,114.

**MR. DOUGLAS LESTER BREADNER, M.P.S.,** Underdale Avenue, Shrewsbury, left £1,941, with net personality £1,142.

**MR. CHARLES EDWARD HILL, Ph.C.,** 17 Main St., Middleton, co. Cork, left estate in England and Eire valued at £4,131.

**MR. JOSHUA ARTHUR HUGHES, Ph.C.,** The Square, Abercarn, Mon, left £14,288, with net personality £11,462.

**MR. JAMES CHARLES CARTER, M.P.S.,** 16 St. Edmunds Road, Ipswich, left £655, with net personality £617.

**MR. FREDERICK LENTON,** 6 Bolsover Street, Leicester, founder of Lentons, Ltd., chemists, St. Saviours Road, Leicester, left £4,372, with net personality £2,008.

## PERSONALITIES

**MR. ERIC G. BALDOCK, M.P.S.,** was successful in the municipal elections at Dunstable, Beds, on November 1.

**COUNCILLOR J. W. HUDDART, M.P.S.,** has been appointed to the Blackpool juvenile panel.

**MR. JOHN LOMAX, M.P.S.,** Rylstone, Egerton Road, Monton, has been appointed a justice of the peace for the borough of Eccles, Lancs.

**MR. MARTIN CONWAY, M.P.S.,** 113 Stretford Road, Hulme, Manchester, 15, has been elected to the Manchester city council.

**MR. J. FAIRLEE, Ph.C., B. Pharm.,** son of W. A. J. Fairlee, M.P.S., 71 Lavender Hill, London, S.W.11 has qualified M.R.C.S., L.R.C.P.

**SIR ALEXANDER FLEMING,** discoverer of penicillin, received the freedom of his native town, the burgh of Darvel, Ayrshire, recently.

**ALDERMAN CHARLES JENKIN, M.P.S.,** 86 Lower Bristol, Bath, retired recently at the age of seventy-two after being in business in Bath for over forty years. Mr. Jenkin has been a member of the Bath City Council since 1911 and was for a number of years chairman of the Bath Insurance Committee.

**MR. GEOFFREY A. N. HIRST** (chairman, Hirst, Brooke & Hirst, Ltd., Sheepscar Works, Leeds, 7) has been appointed to the Yorkshire Regional Academic Board as representative of the Federation of British Industries, and to the Leeds-Hull Academic Board as representative of the Leeds Chamber of Commerce.

**MR. H. M. TRANMER, M.P.S.,** has been appointed vice-chairman for the year of the Smethwick Insurance Committee. Mr. Tranmer is the only member of the Committee who has served continuously since the inception of medical benefit. He was chairman in 1932-34, and throughout his association with the Committee he has taken a keen interest in every aspect of the work.

**ALDERMAN W. F. CUTTIFORD, M.P.S.,** has, for health reasons, resigned his seat on the Salford city council after twenty-three years' service. He has also retired from the chairmanship of Salford Pharmaceutical Committee, of which he has been a member since its inception in 1913, and for which he had acted as chairman for many years. Mr. Harry Stout has been elected chairman of the committee.

## TRADE NOTES

**Soapless Shampoo.**—Cost and selling prices of Spic soapless shampoo are given in an announcement in this week's issue by R. Demuth, Ltd., Farnham, Surrey.

**Hormone Preparations.**—Tuteur Bio-Chemicals, Inc., 60 Wall Street, New York, 5, N.Y., U.S.A., issue hormone preparations under the trade mark Tubichem.

**"Barrel-hole" Blades.**—The sole makers of Wardonia barrel-hole blades are Thomas Ward & Sons, Ltd., Wardonia Works, Sheffield, 1.

**Porous Plasters.**—A continued steady demand for Wilmath porous plasters is reported by the manufacturers, William Mather, Ltd., Manchester, 15.

**New Display Pack.**—Bob Martin, Ltd., Southport, Lancs, have introduced a new display pack for Pestroy. The outer contains 1½ doz. drums of the small size.

**Infants' Soothers.**—Bay-ford Requisites, Ltd., 7 Great Castle Street, London, W.1, offer prompt delivery of tax-free rubber soothers.

**Gingers.**—Stafford Allen & Sons, Ltd., Wharf Road, London, N.1, offer ground African and Jamaica gingers, oleo-resin and essential oil of ginger and weak, strong and B.P., 1885, tinctures of ginger.

**Price List.**—The October issue of Evans' price list A (drugs, chemicals, pharmaceutical, medical and veterinary products) has been issued by Evans Medical Supplies, Ltd., Liverpool and London.

**Toilet and Surgical Sundries.**—Swinner-ton's, Shire Oak Warehouse, Walsall, Staffs, list in this issue a variety of combs, tooth-brushes, scissors, feeding-bottle teats, etc., prices of which are given.

**Tonic for Anæmic Patients.**—Leciferrin, Ltd., 4 John Adam Street, London, W.C.2, give, on another page, four reasons why chemists should stock and display Leciferrin lecithin iron tonic.

**Natural and Synthetic Hormones.**—Organon Laboratories, Ltd., Brettenham House, London, W.C.2, invite chemists to send for literature on natural and synthetic sex, cortical and trophic hormones.

**Change of Title.**—Optrex, Ltd., Perivale, Middlesex, announce a change of title from Optrex tulle to Optulle. The sole distributors are Charles F. Thackray, Ltd., The Old Medical School, Park Street, Leeds, 1.

**Liquorice Sticks.**—The sole concessionaires for the United Kingdom of Favell brand Italian liquorice sticks are A. Elde Reed & Co., Ltd., Battersea High Street London, S.W.1.

**Added to Rationing Scheme.**—From December 8, Clensel, manufactured by John Paterson & Co., Ltd., Orr Street, Glasgow S.E., becomes subject to the provisions of the soap rationing scheme.

**Five-day Week.**—From November 11 E. Griffiths Hughes, Ltd., manufacturers of proprietary remedies, together with its subsidiary companies, will operate a five-day week in their works, offices and laboratories.

**Press Campaign.**—Howard-Taylor, Ltd., 89 Kingsway, London, W.C.2, state that they are conducting an advertising campaign for Ventay bronchial tablets in the national and local Press during the autumn and winter months.

**Show Material on Request.**—C. E. Fulford, Ltd., Carlton Hill, Leeds, list in this issue the proprietary specialities of which they are the manufacturers and invite chemists to write for profitable quantity and display terms, and for show material.

**Cold-weather Protection.**—F. W. Hampshire & Co., Ltd., Sunnysdale, Derby, are conducting an advertising campaign in the national Press for Snowfire healing tablet a protective against the roughening effects of winter weather.

**Tooth-brush Publicity.**—An advertising campaign for Meritor tooth-brushes is being conducted in the national Press at the present time by the manufacturers, S. Mawson & Sons, Ltd., Aldersgate House, Barnet.

**Moustache-wax Reappears.**—Pinaud, Ltd., Atkins Road, London, S.W.12, announce that Pommade Hongroise moustache-wax is again available in Britain. A hint is thrown out that other Pinaud specialities may be available shortly.

**Display Stand.**—The Scholl Manufacturing Co., Ltd., 188 St. John Street, London, E.C.1, have introduced a new display stand for Scholl foot comforts to show the company's preparations for soft corns, callouses, small corns, bunions and corns.

**Anti-dandruff Cream.**—Clarkson, Wade, Ltd., Carlton Road, Burnley, Lancs, direct attention to their product Syndrum, an anti-dandruff cream which is available in jars of one size through the usual trade wholesalers or direct.



**Machine or Hand-made Capsules.—**

Robert Ferber, Ltd., Carlton Works, Asylum Road, London, S.E.15, claim to make capsules of "everything which can go into a capsule". Home and export inquiries are invited.

**Electric Bottle-warmer.—**

A new electric heating device, with automatic control, for warming baby foods, etc., is available from the sole distributors, Beautisales, Ltd., 35 Old Bond Street, London, W.1. The manufacturers are David Griffin, Ltd., Wimborne Road, Poole, Dorset.

**Poppy Day Appeals.—**

Advertisers whose space in the current issue of *THE CHEMIST AND DRUGGIST* is used to give publicity to the Poppy Day appeal on behalf of the British Legion include BURGOYNE BURRIDGES & Co., LTD., London, E.6; EFFREYS, MILLER & Co., LTD., Wigan; and POTTER & CLARKE, LTD., London.

**Casein Hydrolysate.—**

Herts Pharmaceuticals, Ltd., Welwyn Garden City, Herts, are the manufacturers of Pronutrin brand casein hydrolysate, which is put forward for the treatment of acute and chronic protein deficiency, providing a readily absorbed source of nitrogen. The preparation is available in 1-lb. tins, and full details and literature will be sent by the manufacturers.

**Price of a Pastille.—**

Attention is drawn by Potter & Clarke, Ltd., 60 Artillery Lane, London, E.1, to the price of Potter's catarrh pastilles, which was correctly given in the majority of copies of the October 26 issue of *THE CHEMIST AND DRUGGIST*, in which the company's announcement was devoted to this item. The new price, which became effective on September 1, was first given in *THE CHEMIST AND DRUGGIST* on September 7, but in a few number of copies of the October 26 issue an advertisement was inadvertently included which gave an obsolete figure. Subscribers who are in any doubt are referred to the company's announcement on another page of this issue.

## Proprietary Articles Trade Association

**Corrections to Protected List.—***Tokalon face powder*: Retail selling price, including purchase tax, is 1s. 9d., and not as quoted.

*W. J. Rendell, Ltd.*: Retail selling price of Ovastol, including purchase tax, should read 6s. 8d.

*Wright, Layman & Umney, Ltd.*: Retail price, including purchase tax, of Garlixa should read 2s. 4d.

## BUSINESS CHANGES

AIMEE LLOYD & Co., LTD., have removed to Station Road, Tenterden, Kent. (Telephone: Tenterden 216.)

MR. S. G. JONES, manager of the chemical department of Townson & Mercer, Ltd., Beddington Lane, Croydon, now has the following telephone number: Mitcham 1161, extension 13.

MR. WILLIAM COLTMAN, M.P.S., has left Hawick to take up an appointment in a Bermuda eye hospital. Mr. Coltman was stationed in Bermuda during his service in the Royal Navy.

CAPTAIN G. D. GUTTERIDGE, M.P.S., has been released from the Army and will shortly rejoin W. B. Cartright, Ltd., Rawdon, Leeds, as works manager.

LESLIE WALKER, LTD., wholesale and retail chemists, 18 High Street, Doncaster, will shortly open a beauty parlour for the use of demonstrators from cosmetic manufacturers.

MR. C. L. G. JENKIN, M.P.S., and his sister, MRS. Q. M. SHUTTER, M.P.S., are carrying on the business at 86 Lower Bristol Road, Bath, founded by their father, Mr. Charles Jenkin, who has retired (see p. 589).

MR. F. W. POWELL has been appointed head of the representatives' department of May & Baker, Ltd., Dagenham, Essex. Mr. E. J. Shortt has been appointed representative for the midlands, and Mr. D. C. A. Barritt for the Eastern counties.

POLLOCKSHAW'S CO-OPERATIVE SOCIETY, LTD., have taken over the business of Mr. James Allan, M.P.S., 37 Harriot Street, Pollockshaws, Glasgow, S.3. Mr. Andrew Johnson, M.P.S., is superintendent chemist.

BURROUGHS WELLCOME & Co. are opening a branch at 18 Merrion Square, Dublin (telephone: Dublin 64460) on November 12. Mr. W. J. Webb, L.P.S.I., has been appointed as manager and Miss Eileen Flynn, L.P.S.I., as sales executive.

H. & G. DENSHAM, LTD., dispensing chemists, 52 High Cross Street, Leicester, have taken over the business previously known as Belgrave Drug Stores, Belgrave Gate, Leicester. The firm has other premises in Leicester.

DR. G. V. JAMES, M.B.E., M.Sc., F.R.I.C., has been appointed director of research to British Disinfectant Co., Ltd., South Grove, Tottenham, London, N.15. Dr. James has just been released from the Army where he held the rank of major as a War Department Analyst.

## NATIONAL PHARMACEUTICAL UNION

THE October meetings of the Executive Committee of the N.P.U. and directors of the Chemists' Defence Association were held in London on October 30. THE CHAIRMAN (Mr. H. Steinman), on behalf of all present, extended birthday greetings and good wishes to the secretary (Mr. G. A. Mallinson), and congratulations to Messrs. John Hague and A. R. Melhuish, who had received presentations from their local associations.

The need for increased supplies of liquid paraffin being made available to chemists was again emphasised, and further consideration was given to proposals in connexion with the control of advertising of proprietary medicines. The report of the Accounts Committee and the treasurer's report were submitted by THE TREASURER (Mr. A. R. Melhuish) and adopted.

### Standardisation of Fluid Measures

As previously reported, the intention of the British Standards Institution's drafting panel is that the one-drachm graduation on fluid measures should be the smallest on the one-fluid-ounce measure, although the N.P.U. representatives, said THE SECRETARY in his report, had stressed the need for lower graduations. Messrs. Hearle and Noble (deputy secretary) had attended a meeting of the drafting panel on October 22, and a further report would be made when the business on hand had reached a more advanced stage.

THE SECRETARY reported that the first report on statistical evidence concerned with retail trade, and secured from independent traders by the Board of Trade, had been published in the "Board of Trade Journal."

### Liaison with Doctors

Representatives of the Society and the N.P.U. attended a meeting with representatives of the British Medical Association on October 3, when discussions took place on the need for a National Formulary, rural area dispensing, and proprietary-medicine legislation.

### Central N.H.I. Committee

THE CHAIRMAN of the Central N.H.I. Committee (Mr. A. R. Melhuish) submitted his report on a meeting of the Committee held on October 29. THE SECRETARY reported that the Co-operative Union had not yet appointed a representative to serve on the Committee. Conversations had been held with Ministry of Health officials with a

view to restoring the "double asterisks" to the undermentioned items required to be kept in stock so far as is practicable:—

Inf. gent. co. conc.  
Ol. morrhuae  
Spirit chlorof.  
Tinct. hyoscyam.  
Inf. gent. co. ex conc.  
Spirit. am. arom.  
Tinct. card. co.  
Tinct. stramon.

Owing to varying prices being charged for suspensory bandages, it had been arranged with the Ministry for chemists to endorse prescriptions with the net price charged by wholesalers when this exceeded the current Drug Tariff price (16.0d., including tax). Payment would be made accordingly, and pharmacists were asked to attach the invoice when making such claims. The need for a further general increase in Drug Tariff fees for 1947 was discussed, and the Committee had expressed its strong dissatisfaction with the present terms of payment to chemists for N.H.I. dispensing. Attention was again directed to the continued delay in payment of chemist accounts and, as a temporary expedient, was recommended that chemists should make individual application to the appropriate Insurance Committee for suitable monthly advances pending final settlement of their accounts. The question of the appointment of persons possessing a pharmaceutical qualification as superintendents to Pricing Bureaux was again considered. The report was adopted.

### Price List and Publications

A report of the Publications and Pricing List Committee, held on October 30, Mr. G. H. M. Graham in the chair, was submitted and adopted. The report included suggestions for ten additional entries to the list, with the addition to the scale of dispensing fees of double fees for prescription dispensed during closing hours.

### Joint Industrial Council

A meeting of the employers' side of the National Joint Industrial Council for Retail Pharmacy was held on September 27. Agreement was reached on a revision of the terms of the present J.I.C. scale to operate from January 1, 1947, subject to the N.P.U. Branch Conference giving the N.P.U. representatives the necessary mandate.



Details of loans granted and applications for new loans were included in the report of a meeting of the Business Services Committee held on October 29. The report was adopted.

### Prices of Goods Acts

Preliminary discussions had taken place. THE SECRETARY reported, at the offices of the Proprietary Articles Trade Association, between representatives of the P.A.T.A., I.P.U. and Chemists' Friends Association, in order to formulate proposals to be submitted to the Central Price Regulation Committee with a view to securing approval for increased retail and wholesale margins of profits on proprietary medicines.

### Silver Jubilee Conference

THE SECRETARY reported that 230 delegates had notified their intention to attend the Conference to be held in London on October 31. The final drafts of the Agenda and the Supplementary Agenda were reviewed and approved. An invitation had been extended to Mr. J. W. Belcher (Parliamentary Secretary, Board of Trade), to be present at the luncheon.

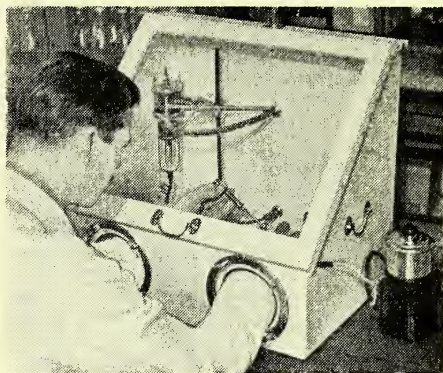
### Chemists' Defence Association

AT a meeting of the directors of the Chemists' Defence Association, THE SECRETARY reported that settlements had been made in the following cases: £1,500, plus costs, paid in connexion with the supply of preparation having an excessive phenol content; £15 15s. paid for personal injury sustained by a customer due to an insecure unblind; £1 1s. for loss involved from sale of so-called turmeric powder supplied by a wholesaler; £3 paid as compensation for damage to clothing. Among applications received for advice, those referred to the Union's solicitors included four cases concerned with leases to property, and another with a fraudulent cheque; two inquiries under consideration were concerned with war-damage payments.

## A PENICILLIN SCREEN

THE portable penicillin dispensing screen illustrated has been developed in the School of Pharmacy, Brighton Technical College, by Mr. H. B. Mackie, B.Pharm., Ph.C., head of the school. An electric strip-light fitted inside the cabinet immediately above the sleeve apertures provides glare-free illumination of the working area. Reduced pressure for filtration is available through a nipple in the back wall which is connected externally to a vacuum pump. The lower

nipple supplies gas for the micro-burner. Button-holes in the sleeves fit over bolts on the circumference of each aperture. A plated metal ring is then fitted over the edges of the sleeves, and a dust-proof joint secured by means of wing-nuts. The plate-glass viewing screen is fitted to a hinged frame which is specially flanged to make a dust-proof joint when closed. The base of the screen is lined with plate glass and all



One of several types of penicillin screens developed in the School of Pharmacy, Brighton Technical College. Beside the screen stands an electric steriliser for syringes.

internal corners are rounded to avoid harbouring dust. All metal parts are plated, and the wooden surfaces are finished in glossy white enamel. The screen was built entirely within the college.

**Medical Advances Reviewed.**—When folic acid is produced on a large scale, which should not be long now, writes Lord Moran (president, Royal College of Physicians), it may well supersede liver extracts in the treatment of anæmias in which it is found useful. ("Practitioner," October, pp. 230-40.) A daily dose of 20 mgm. orally, is sufficient, and the response is comparable in every way with that obtained by treating pernicious anæmia with a potent liver extract. Other types of anæmia which had responded to treatment were the macrocytic anæmias of infancy, and of sprue, and that due to malnutrition; in addition, the drug had been reported to be of value in cases of chronic diarrhoea of varied etiology. Folic acid was synthesised recently by Angier. Of the use of nuclear physics in medicine Lord Moran mentioned that "a cup of radio-active phosphorus taken once a week may replace the application of x-rays to the spleen."

## THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

**LOSSES** incurred through Government sales of raw rubber were the subject of Parliamentary questions on October 28. MR. W. SHEPHERD asked the President of the Board of Trade what gain or loss to the taxpayer would arise as the result of the recent agreement entered into with the United States of America for the sale of raw rubber. MR. L. D. GAMMANS asked the President of the Board of Trade the total estimated loss that would arise as a result of the purchase of Malayan rubber by His Majesty's Government and its sale at a lower price.

**SIR STAFFORD CRIPPS:** Though there will undoubtedly be some loss, I am unable to give any accurate estimate at present. Under the arrangements recently made, the United States undertook to purchase 200,000 tons of rubber from Malaya and from stocks in the United Kingdom. They will, however, only draw on stocks in the United Kingdom to the extent that the full amount of rubber cannot be shipped from Malaya before the end of the year.

**MR. SHEPHERD:** In view of that reply, is the Minister still convinced of the wisdom of State trading?—"Certainly." The reason, went on Sir Stafford, why loss should fall on the British taxpayer was that there had been an unexpected production in Malaya.

### Exports of Glycerin

**MR. BOSSOM** asked the President of the Board of Trade the amounts of commercial glycerin exported in the first three months of the year and in the first three months of 1938; and to what extent linseed oil entered into the composition of the glycerin?

**SIR STAFFORD CRIPPS:** Exports of glycerin (both crude and distilled) in the first three months of 1946 amounted to 3,300 tons, against 1,850 tons during the same period of 1938. I am advised that the quantity of linseed oil used in the manufacture of glycerin is negligible.

### Exhibition Not to Go on Tour

Asked whether he would take steps to bring the "Britain Can Make It" exhibition to selected provincial centres, **SIR STAFFORD CRIPPS** replied: The Council of Industrial Design, which is responsible for the "Britain Can Make It" exhibition, has given careful consideration to the possibility

of moving it to one or more provincial centres, but has reluctantly advised me against such a course. With this advice I agree. The cost of removal would be high; considerable replacements of timber and fabric, both scarce materials, would be required; and by the time the exhibition could be reopened elsewhere, the British Industries Fair would already be claiming the attention of manufacturers, buyers and the public. With the co-operation of the Victoria and Albert Museum, the exhibition is to remain open on its present site until the end of the year. No further extension of time will be possible.

### Penicillin Production

**WING-COMMANDER ROBINSON** asked the Minister of Supply the present British production of penicillin, and how much of this was exported.

**MR. JOHN WILMOT:** The present rate of production is about 360,000 mega units monthly. In September, export licences were issued for about 149,000 mega units

### War Damage Under Business Scheme

**MR. THURTLÉ** asked Sir Stafford Cripps, if, in view of his inability to name a date for payment of war damage under the business scheme because of the general supply position, he would consider cases where owners of destroyed business premises and plant were unable, owing to age and changed circumstances, to restart their operations and where, owing to lack of other resources, they needed the war-damage payment as capital on which to live; and bearing in mind that such persons, having waited so long for payment, were naturally reluctant to make any hardship appeal that might result in sacrifice of their right to interest payment.

**SIR STAFFORD CRIPPS:** Section 85 of the War Damage Act, 1943, enabled the Board of Trade to make payments under the business scheme where the payment is necessary to avoid undue hardship, and my Department already considers and deals with applications made on the grounds mentioned by Mr. Thurtell. As the date of final payment of claims under the business scheme cannot yet be announced, interest will, in future, be allowed in the exceptional cases where a payment is made under that scheme on grounds of undue hardship.



### Medical Supplies Under Review

MR. SKEFFINGTON asked the Minister of Health what steps his Department had taken with the medical supply industries to see that they would be able to meet the increased demands for supplies which would arise when the new national health proposals became law and came into full operation.

MR. ANEURIN BEVAN replied that he was considering the matter in consultation with the Minister of Supply but no final arrangements could yet be made. "Interdepartmental machinery is, however, already in existence for the examination of supply problems of special urgency."

### Pay-as-you-Earn

P.A.Y.E. was the subject of a question by COLONEL SHARP to the Chancellor of the Exchequer on October 29, when he asked what action Mr. Dalton had taken, or proposed to take, to implement the recommendations of the Select Committee on estimates for improving the administration of the Pay-as-you-Earn system of taxation.

MR. DALTON replied: The Committee records various relaxations of work which had been sanctioned up to the date of their report, and I have since taken further action to reduce the pressure of work. I have authorised the Board of Inland Revenue to abandon for each of the years 1944-45 and 1945-46 the "check-up," or work of formal assessment at the end of the year, for all P.A.Y.E. taxpayers (other than certain exceptional classes) who paid less than £175 tax for the year. This work of assessment has, therefore, been saved in no less than 1½ million cases each year. I have also authorised the Inland Revenue, in cases where arrears of tax, due at the end of the year 1945-46, would normally be added to the tax for subsequent years, to set such arrears off against the Post-war Credit for the year 1945-46, the final year for post-war credits. This will both save departmental work and be of convenience to the taxpayer. Speaking on possible improvement of P.A.Y.E., he said he preferred the system whereby tax was collected as earnings were made, and in due proportion to the amount of the earnings, to any system which was based only on hypothetical earnings. The mechanics of P.A.Y.E. were constantly under review, and the Single Table System, which was to come into force for 1947, was the latest of a number of improvements.

### Physiotherapists in Health Service

MR. SKINNARD asked the Minister of Health whether members of the Physiotherapists Association of Great Britain, designated as licentiates in physiotherapy and medical electricity, would be given the same rights and privileges of practice as were at present enjoyed by members of other bodies; and if he would grant the association representation on the appropriate committees when they were concerned with the profession.

MR. BEVAN: I am considering the position of the physiotherapist in the future health service and will take account of these suggestions.

### Streptomycin

MRS. MANN asked the Minister of Health whether his attention had been drawn to the claims made for streptomycin as a cure for tuberculosis; whether medical science supported the claim; and whether streptomycin was available to patients in our institutions. MR. BEVAN replied: I am aware that medical research is being taken in the United States regarding the value of streptomycin in the treatment of tuberculosis. It would not be justifiable to adopt it for general use in this country until adequate clinical trials have been carried out to test such claims as are made for it, and arrangements to this end are being made.

On October 30 DR. BARNET STROSS asked how many plants were producing streptomycin and what was today's estimated production in Britain. MR. BEVAN replied: I understand from the Minister of Supply that at the moment two plants are producing streptomycin on a small scale in this country, but none is yet available for clinical trials. I should take this opportunity to explain that until those trials have been completed it will not be possible to assess the usefulness of the drug.

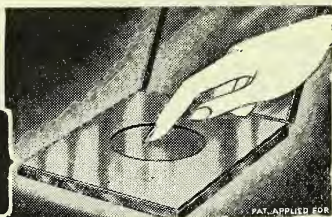
### "Chaotic" Weights Legislation

MR. IRVING asked the President of the Board of Trade if, in view of the chaotic state of weights and measures legislation, he proposed to appoint a departmental committee at an early date to go into the whole matter and make recommendations regarding amending it.

SIR STAFFORD CRIPPS: I recognise the need for an inquiry into weights and measures legislation, but in view of the complexities of the subject and the pressure of other and more urgent work, I cannot say when it will be practicable to put such an inquiry in hand.

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surgical crockery. **WAGSTAFF & BRUNT,**  
Longton, Stoke-on-Trent, Staffordshire, Eng-  
land.

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Mayo's crepe bandage.  
Macmichael's hair dye.  
Picien wax.  
W.E.3 wax.

Medestrol tablets.  
Liquid Bonan.  
Regena.



# THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

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culates throughout the Pharmaceutical, Chemical, Drug, Essential Oil, Perfumery, Cosmetic, Toilet Preparation and allied trades and Industries in Great Britain, the British Empire, and foreign countries

Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire.

L. CXLVI NOVEMBER 9 1946 NO. 3483

## The Label and the Law

announcing, in the Chancery Division of the High Court on October 25 (see p. 587)

findings in the "friendly" action brought by Potter & Clarke, Ltd., against the Pharmaceutical Society of Great Britain, Mr. Justice Wynn-Parry has settled a number of points which have given rise to doubt and controversy ever since the Pharmacy and Medicines Act, 1941, took effect. In addition, he has settled one or two questions of more recent concern.

The points at issue were of two main kinds. The judge was asked to decide, in the first place, whether the form of wording on a number of labels which were submitted as exhibits constituted the contents of substances recommended as a medicine "within the meaning of the Act, and in the second place whether the labels of certain other substances, which were in varying forms, "were in any, and if so what, case held under a proprietary designation."

Under the Act, it will be recalled, substances recommended as a medicine may be sold by retail only by doctors, dentists, authorised sellers of poisons on premises registered under Part I of the Pharmacy and Poisons Act, 1933, and persons who have served an apprenticeship to a pharmacist or a body corporate authorised to sell poisons, provided such persons were in business on their own account on August 7, 1941. On the other hand, a person charged with contravening this provision is entitled to plead in his defence that the substance was sold under a proprietary designation

(subject to certain provisos affecting substances in the British Pharmacopœia or British Pharmaceutical Codex). Obviously, then, the issues before the judge were of far-reaching importance both to pharmacists and, equally but oppositely, to unqualified traders. Indeed the Pharmaceutical Society and local authorities charged with duties of securing observance of the Act have been under a severe handicap in being without precise interpretations of the points raised.

In the table overleaf we have endeavoured to summarise, without undue sacrifice of accuracy in so doing, the forms of label that were before the Court, the principal point involved in the form of wording on each, and the judge's finding. It hardly needs to be pointed out, perhaps, that the decisions should very guardedly be extended to other labels of an apparently similar character, since the latter may in practice involve the consideration of other issues that have not this time been argued.

Some extension of the table is necessary to explain how the judge arrived at his decisions. In considering senna pods, for example, he took the view that the Act was not against the sale of medicines *simpliciter*, but against the sale of substances recommended as medicines. It was acknowledged that the senna pods were used medicinally and universally recognised to be a medicine, but he concluded the words "SENNA PODS" were "a bare, but accurate identification of the contents."

The bottle of liquid extract of cascara was on a different footing because the label contained "words which are clearly calculated to lead a purchaser to purchase the bottle for the sole purpose of preventing or treating an ailment." The words he had in mind were (a) the reference to the Pharmacopœia, and (b) the dosage.

The decision is in general confirmation of the view expressed in "The Chemist and Druggist Year Book, 1946," namely

"It is difficult to take any other view than that the dosage informs the purchaser that the substance is a medicine, and is consequently calculated to lead to its use as such."

On the other hand, it falls short of complete substantiation of this view since dosage was not the sole determining factor.

Item	Wording on label	Principal question(s) at issue	Finding
Senna pods	SENNA PODS Vendor's name and address	Are senna pods, as labelled, substances recommended as a medicine within the meaning of that phrase as used in the Act?	Is NOT "recommended as a medicine"
Fluid extract of cascara	(Vendor's trade mark) FLUID EXTRACT OF CASCARA, British Pharmacopœia DOSE: <i>Half to one teaspoonful in half a wineglassful of water</i>	Do the terms of the label make it clear that the contents of the bottle are offered for sale as a medicine?	Is "recommended as a medicine"
Lemon and squill linctus	LEMON AND SQUILL LINCTUS Vendor's name and address	Is the word "linctus" to be regarded as equivalent to "cough medicine"?	Is "recommended as a medicine"
Compound rhubarb pills	Round photograph of head of unidentified man, the words COMPOUND RHUBARB PILLS Maker's name and address DOSE: <i>One or two at bedtime</i>	When pills composed as stated in the evidence are sold in a box labelled as indicated, is each pill a substance recommended as a medicine? Does "pills" of itself indicate that substance is so recommended?	ARE "recommended as a medicine"
Effervescing powders	Extra strong effervescing powders Prepared by (maker's name and address) "A war-time substitute for Seidlitz powders" (On reverse) maker's name and address)	Are powders, composed as stated in the evidence and labelled as indicated, a substance recommended as a medicine?	ARE "recommended as a medicine"
"All Fours" chest and lung mixture Exhibit a	ALL FOURS CHEST AND LUNG MIXTURE Price. Dosage. Statement of formula	Does the set of words contain, as part of the designation, words indicating that they are the goods of a particular manufacturer by virtue of manufacture, selection, certification, dealing with or offering for sale?	Is NOT "sold under a proprietary signification"
Exhibit b	Manufacturer's name As above, but without statement of formula		Is NOT "sold under a proprietary signification"
Exhibit c	PRITCHARD'S EXTRA STRONG ALL FOURS CHEST AND LUNG MIXTURE	How many words are to be regarded as part of a designation?	Is "sold under proprietary designation"



The findings on "linctus" and "pills" straightforward, and would appear, submit always to further "test" actions, to tend to other preparations with names having similar medicinal implications.

In their bearing upon future selling practice, the decisions upon proprietary designations are of especial significance. "For a

of words to amount to a designation, it must be continuous, or, at any rate, ended by necessary implication to be held together." The definition rules out a considerable number of preparations that have continued to be sold freely by traders other than the sellers (of whom pharmacists form the principal proportion) specified in the Act, and will have the potential alternative results of excluding these goods from the premises of the unqualified, or of greatly increasing the number of proprietary designations as now defined. In the latter event, the future may see a multiplication of "ranges" of popular remedies, each limited to two preparations to comply with section 12 (5) (c) (ii). For pharmacists, it may lay fresh emphasis on the C.F. scheme.

### Vial or Pack?

CORRESPONDENT (Mr. Kenneth E. White, *C. & D.* October 26, p. 547) recently took the Ministry of Supply to task for, as alleged, "not being fully aware of restrictions they themselves had imposed." Mr. White has since received a reply from the Ministry, who have shown us a copy of their letter. Our view is that, as another correspondent this week (p. 608) suggests, though writing from general principles and without inside knowledge, that perhaps the original letter was written rather too hastily.

The Ministry's reply points out an accepted distinction between penicillin "packs" and "vials." "Vial" is interpreted as meaning the standard pack for the mega unit, while "pack" is reserved for containers holding larger amounts. Mr. White's first communication, states the Ministry, asked for permission to purchase 10 mega unit vials of calcium penicillin. This request was taken by the Ministry, wrongly as it turned out, but justifiably on the wording of the request, to mean ten one-mega-unit vials, to obtain which no Ministerial authorisation was necessary. On discovering that the application was

indeed for supplies in 10-mega unit containers ("packs") the Deputy Assistant Controller, Penicillin Control, hastened to get in touch with Mr. White again, and to point out that "the great desire of this Department is to make penicillin readily available to those, like yourself, who are qualified to make proper use of it." Thus all is well that ends well, and any stigma attaching to the Ministry is, we hope, removed.

### Back to Mincing Lane

THE news that the United States Department of Agriculture will no longer function as a buying agency for foreign Governments appears to have caused some concern in Whitehall. From now on, the Government representatives of buying countries will have to purchase their raw materials as best they can in the American open market. This introduces a change of control and direction of considerable importance. During the war, the Ministries of Food and Supply, in their transactions of commercial business with foreign Governments, in the nature of bulk purchases, have had a good record. Both Ministries had wisely introduced into their ranks a number of men with exceptional and specialised trading experience. This commercial "leaven" was added to a skill of a different kind, which is the prerogative of the civil servant—an understanding of the workings of Government departments.

It is, perhaps, inevitable that for some time to come a form of State trading in some articles will have to continue in the interests of international economic stability, but as we have already indicated, so far as the U.S. market is concerned Britain must now fend for herself. The Government should realise that the technique of bulk buying on a controlled market is very different from purchasing supplies on a competitive market. While the civil servant may possess the qualities necessary for the former, it is hardly likely that he will have either the experience or "market touch" so essential for the latter. The Government's decision to permit the reopening of the Mincing Lane rubber market, closed in 1941, and the reversion of mercury to private trade (p. 609), are significant and welcome milestones on the road to a return to normal marketing.

## C. & D. DISPENSING PRICE LIST

The following changes of price which took place during October should be noted :—

Cost		Due allowance has been made for purchase tax in both cost and dispensing prices	Dispensing price				Cost		Due allowance has been made for purchase tax in both cost and dispensing prices	Dispensing price			
d.	per		4 oz.	1 oz.	1 dr.		d.	per		4 oz.	1 oz.	1 dr.	
54	oz.	Amidopyrina R only ..	—	7 10	1 2		34	oz.	Rhei rhiz. pulv. No. 3 ..	—	5 0	0	
63	oz.	Benzocaina P.I. (8) ..	—	—	1 5		21	lb.	Sapo kalinus, B.P.C. lb. 2s.7d.	0 9 0	2 ½	—	
42	oz.	Butylchloralis hydras P.I. (8) ..	—	6 1	0 10		31	lb.	Syr. sennæ ..	1 5 0	6 0	0	
63	oz.	Carbromalum ..	—	—	1 5		42	oz.	Theobromina et sod. acet. ..	—	6 1	0 1	
44	lb.	Cassia corticis pulvis. ..	1 7 0	6 0	1 1		48	oz.	Thyroideum P.I. (9 and 13) ..	—	7 0	1	
63	lb.	Cera flava exot.	2 4 0	8 0	1 ½		129	lb.	Tr. benzoini comp. ..	4 8 1	3 0	0	
68	lb.	Cetaceum ..	2 5 0	8 0	1 ½		119	lb.	Tr. lavandulæ co.	4 3 1	2 0	0	
52	oz.	Chrysarobinum ..	—	—	1 2		122	lb.	Tr. zingiberis fort.	4 4 1	2 0	0	
17	oz.	Collod. bellad. meth. S.I. (5) ..	—	2 7	0 5		44	lb.	Ung. adipis lanæ co. ..	1 8 0	6	—	
80	lb.	Colocynthis pulvæ pulv. ..	2 10 0	9 0	0 2		147	lb.	Ung. benzocain. co. P.I.(9) ..	5 3 1	5 0	0	
65	lb.	Elixir. diamorph. et terpin. B.P.C., D.D. ..	2 10 0	10 0	0 2		101	lb.	Ung. hyd. subchlor. B.P. '14	3 8 1	0 0	0	
18	oz.	Elixir viburn. et hydrast., B.P.C.	—	3 1	0 6		70	lb.	Ung. methyl. salicyl. co. dil.	2 6 0	8 0	0	
105	lb.	Emuls. menth. pip. ..	3 9 1	2 0	0 2		30	lb.	Ung. paraffini alb. ..	1 1 0	3 ½	—	
23	oz.	Ext. cinchonæ ..	—	3 5	0 6		27	lb.	Ung. paraffini flav. ..	1 0 0	3 ½	—	
14	oz.	Ext. cinchonæ liquidum ..	—	2 0	0 3 ½		70	lb.	Ung. plumbi oleatis S.I.(5) ..	2 6 0	8 0	0	
63	oz.	Ext. rhei pulvis. ..	—	9 3	1 5		27	lb.	Ung. simplex alb.	1 1 0	3 ½	—	
63	oz.	Ext. rhei liquidum ..	—	5 4	0 9		23	lb.	Ung. simplex flav.	1 0 0	3 ½	—	
7	oz.	Ferrum redactum ..	—	1 1	0 2		70	lb.	Zinci sulphocarb. pulv. ..	2 6 0	9 0	0	
38	lb.	Glyc. acidi borici	1 10 0	7 0	1								
35	lb.	Glyc. aluminis ..	1 8 0	6 0	1								
49	lb.	Glyc. amyli (wt.)	1 9 0	6 0	1								
126	lb.	Glyc. papaini B.P.C. ..	5 6 1	6 0	0 3								
87	lb.	Glyc. pepsini, B.P.C. ..	3 7 1	0 0	0 2								
147	lb.	Inf. rhei conc. ..	5 6 1	6 0	0 3								
101	lb.	Lin. opii meth. S.I. (5) ..	3 8 1	0 0	0 2								
56	lb.	Liq. bismuthi conc. B.P.C. ..	2 4 0	8 0	0 2								
133	lb.	Liq. bromidi co. B.P.C. S.I. (5) ..	6 4 1	10 0	0 3								
27	oz.	Liq. epispasticus S.I. (5) ..	—	4 0	0 7								
126	lb.	Lobelia pulvis P.I. (8) ..	4 7 1	3 0	0 2								
56	oz.	Pepsinum ..	—	8 2	1 4								
29	lb.	Potassa sulphurata ..	1 1 0	4	—								

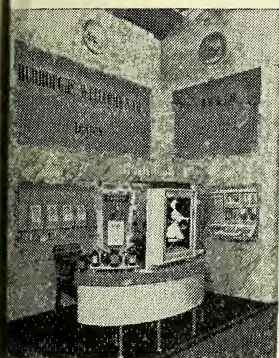
## INSURANCE ACT DISPENSIN

**Merthyr Tydfil.**—At the annual meeting of the Pharmaceutical Committee, held recently, the following officers were elected: *Chairman*, Mr. I. Isaacs; *Vice-chairman*, Mr. T. Garfield Jones; *Treasurer*, Mr. E. M. Cohen; *Secretary*, Mr. E. J. Powe. Post Office Buildings, Merthyr Tydfil.

**Lancashire Prescription Bureau.**—The quarterly report of the Lancashire prescription bureau, embracing nine boroughs and Westmorland county, shows that during the quarter ending June 30 there were 594,662 prescriptions, against 573,662 in 1945, and 610,178 in 1944. The respective total costs were: £35,061, £32,178 and £30,69 averaging 14.15d., 13.46d. and 12.07d.



# LONDON NURSING EXHIBITION



Stands of Burroughs Wellcome & Co., The British Drug Houses, Ltd., and Wright, Layman & Umney, Ltd.



THE thirty-first London Nursing Exhibition and Conference—the first of its kind to be held in London since the war—opened at the Seymour Hall, London, W.1, on October 21 for five days, under the auspices of the "Nursing Mirror." In addition to the exhibits in the main hall, a programme of lectures and film shows on medical and nursing topics was arranged for each day.

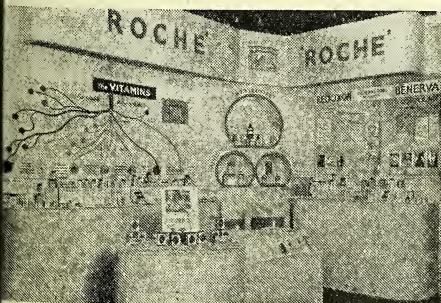
## Exhibitors:—

Allen & Hanburys, Ltd.; Ambrosia, Ltd.; B. & J. Madsen, Ltd.; Angiers, Ltd.; Aspro, Ltd.; B. & J. Madsen, Ltd.; Boots Pure Drug Co., Ltd.; Burroughs Wellcome & Co.; Cadbury Bros., Ltd.; Continental Laboratories, Ltd.; Cow & Gate, Ltd.; Crookes Laboratories, Ltd.; Denver Chemical Manufacturing Co.; Evans Medical Supplies, Ltd.; Farley's Infant Food, Ltd.; Genatosan, Ltd.; Glaxo Laboratories, Ltd.; Herts Pharmaceuticals, Ltd.; International Chemical Co., Ltd.; Jen Fens Sales, Ltd.; Jeyes Laboratories, Ltd.; Keen,



Stand of Allen & Hanburys, Ltd.

Robinson & Co., Ltd.; Lactagol, Ltd.; Macleans, Ltd.; Milton Antiseptic, Ltd.; Nestle's Milk Products, Ltd.; Oxo, Ltd.; Reckitt & Colman, Ltd.; W. J. Rendell, Ltd.; Roche Products, Ltd.; A. & R. Scott, Ltd.; Tampax, Ltd.; Virol, Ltd.; Vitamins, Ltd.; Wm. R. Warner & Co., Ltd.; Wright, Layman & Umney, Ltd.; John Wyeth & Brother, Ltd.



Stands of Roche Products, Ltd., and Genatosan, Ltd.



## F.B.I. ON TRADE RELATIONSHIP WITH GOVERNMENT

A REPORT of the Trade Organisation Committee of the Federation of British Industries has been unanimously adopted by the Federation's Grand Council and forwarded to the President of the Board of Trade and other ministers.

The following points are taken from the Report:—

There appear to be three main methods of co-operation between Government and industry which, in different circumstances, would prove valuable. They are: (a) Direct contact with industry; (b) an advisory council; (c) a statutory industry board.

### Direct Contact with Industry

In many industries close contact has been developed between a sponsoring Government department and the trade association and trade union. It would be totally inappropriate for a trade association to participate in the general conduct of the business of a trade union or vice versa. There is, however, a field within which they have a common interest—apart from labour questions—and an exchange of views within that field can under favourable conditions be mutually helpful. In referring to favourable conditions, we have in mind that the trade unions, as well as the trade association, must be suitably organised if such contacts are to be fruitful. We strongly recommend that these contacts should be developed, where practicable, and that trade associations should consider the advisability of themselves initiating periodical meetings with the appropriate trade union at which general questions affecting the industry as a whole could be ventilated. We believe that useful results, both practical and psychological, might result from this, and that there is no need for such contacts to depend on Government initiative and to involve the establishment of continuing official machinery.

### Advisory Councils

We believe that direct contact between trade association and Government departments is in many ways the most effective and flexible method of contact where confidence exists on both sides. But we recognise that cases may occur when the Minister may feel that this does not provide him with precisely suitable channels of consultation. We recognise that the Minister may feel that he requires to supplement the day-to-

day contacts between his department and the trade associations by some more formal machinery. We recommend that where this machinery is established, it should take the form of an advisory or consultative council. It is important that the area of industry to be covered by a Council should be so defined that there is a real community of interest within the various branches represented on it. The terms of reference of the advisory or consultative councils should be settled by the Minister, but should make it clear that the object of the councils is to consider only broad questions affecting the industry as a whole.

### Statutory Industry Boards

A statutory board should never be formed upon an unwilling industry. Each case should be considered on its own merits, and the executive or semi-executive powers conferred should be carefully restricted to what is necessary to solve the particular industry's problems. We are of opinion that the industrial members should be appointed by the Minister by the same procedure as we have already suggested in the case of the Advisory Council.

### Legislation and Administrative Action

In the exceptional cases where a supervisory board is established we recognise that statutory authority would be required. We are opposed to legislation in the form of a General Enabling Bill. Each board should be the subject of a separate Bill. Our other proposals, we consider, could be adopted by administrative procedure. We see great advantages in thus retaining the greatest flexibility in their application. With this flexibility we believe that they can be of material help in ensuring a fruitful partnership between Government and industry which, like other partnerships, should be based upon mutual confidence and forbearance rather than upon domination and rigid control.

**Bleach Cream for Dark Skins.**—newly developed bleach cream which "has a definite measurable effect in making dark or tan skins lighter" has been produced by the National Toilet Co. of America. A group of negro subjects who used the cream daily for about six weeks, "showed lightening effect of 8½ shades." The cream is understood to contain ammoniated mercury.



## INDUSTRIAL PHOTOGRAPHY

### Outline of a technique developed by Gillette Industries, Ltd.

uses to which industrial photography, technique still in the formative stage, are include high speed cinematography for checking faults on machines; normal speed cinematography for demonstrating motions of operators; photomicrography of blades, etc., and x-ray photography of castings.

#### High-speed Photography Defined

High-speed photography may be defined "any cinematography in which the speed of the motion is slower than the speed of normal movement," and includes the moderately fast movement which can

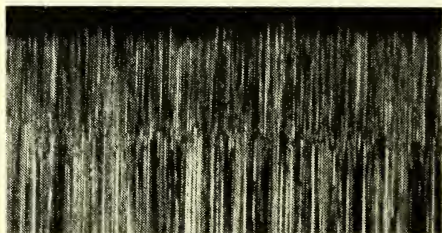
firm employs the Eastman Type III high speed camera. This camera makes 16-mm. film records at from 500 to 3,000 frames per second, the film travelling continuously past the lens, and the image being carried down the film plane at the same rate as that at which the film moves. This process is accomplished by a lens prism partially enclosed in a shutter, revolving behind the lens. When the maximum speed is being used, there is a danger of the film rupturing if the acceleration is too rapid, but a rate of 2,400 frames per second is obtainable in one second from rest, which means that only thirty feet of film are used up in the acceleration. The work to which this apparatus is suited is, for example, the study of the machines wrapping 120 blades per minute. While this may not seem fast, it must be realised that some of the components in the machine are moving very fast indeed. If a certain part of a machine is suspected, painting it white will show it up well and make it easier to follow. Normally the technical staff have no difficulty in noting the fault after the film is screened. The exception to this is where a small component such as a warp cam tends to merge into a shadowed background. On black and white film this may not show but the use of a colour-film usually makes every part stand out well by differences in colour as well as tone. Time spent in getting the special lighting and the camera in the correct position is well worth while.

Photomicrography at various magnifications is also undertaken in the works, and



reproduction of a photograph designed to show how Gillette operative shakes out a roll of razor blade for inspection. Cine-film was found to be superior to still film for this work.

studied by the normal cine-camera running at maximum speed, and faster movement for which special apparatus is required. For studying motion a speed on the screen equivalent to the ordinary newsreel slow-motion of, for instance, a diver at swimming bath, is often the best. If a manual operation, or the operation of a w-running machine is to be studied, an ordinary cine-camera running at about 16 frames per second is suitable. A cine-dak Special 16-mm. camera, with variable-speed, spring or electric drive, giving a speed of from eight to sixty-four frames per second has been used. This is equipped with interchangeable lenses which can be used to short distances. Sometimes, however, the presence of flying oil and dust makes it desirable to film from a distance and in these circumstances a 6-in. telephoto lens can be fitted. When the top speed of this camera is not sufficient the



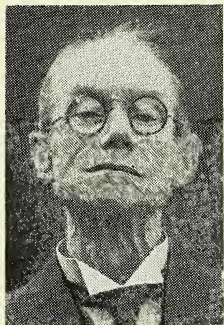
A photomicrograph ( $\times 100$ ) of a razor-blade edge.

mostly concerns cutting edges, but for special studies photomicrographs of growing beards have been taken. All of this work, which enabled many investigations of vital importance to output to be made, was carried out by the factory photographer with occasional help from Kodak, Ltd., at small expense.

## FIFTY-FIVE YEARS IN PHARMACY

Mr. Alfred Marsland, M.P.S., who has recently retired at the age of sixty-nine after being in business in Ashton-under-Lyne for forty years describes some of his experience.

I WAS apprenticed with the late Mr. John Hall, Ashton-under-Lyne, from 1892 to 1895 and later went for two years as an assistant to Mr. Joseph W. Gill, Broad Street, Pendleton. In 1898 Mr. J. C.



Mr. Alfred Marsland

Crompton of Ashton-under-Lyne opened a suburban branch of which I took charge, under his supervision, until I qualified in May 1901. Mr. Crompton was dispenser also at the Ashton-under-Lyne and District Infirmary and occasionally I took duty for him. I have retained a vivid impression of those days, and remember distinctly a certain Friday morning when ninety-three out-patients presented their cards at the dispensary between 9.15 a.m. and 12.15 p.m.—a strenuous morning which I have never forgotten.

### Long Hours

Leaving Mr. J. C. Crompton some time after qualifying, I was for a short period with Mr. H. Lockwood of Harpurhey, Manchester, a keen business man and owner of five shops. His method of keeping business details I found helpful when I purchased, in 1906, Mr. Crompton's business which I had formerly managed. Though hours were long and the type of business done different in many respects from that done today, I never regretted starting on my own. Laudanum, cocaine, and strychnine in mouse powders, could all be sold in those days without let or hindrance provided they were properly labelled. I had a customer who bought  $\frac{1}{4}$  oz. of cocaine hydrochlor., and in one of the shops in which I worked a woman used to come every Friday for 6 oz. of laudanum, to last her a week. Once she drank half an ounce, diluted with an ounce of water, in the shop: she said she had once or twice taken more than that but wished "to be on the safe side." My day in 1906 was from 9 a.m. to 9 p.m., and 11 p.m. on Saturday, with early closing on Tuesday at 1 p.m. Through the years the hours were

reduced until now 7 p.m. seems to be average everywhere.

The friendly spirit among chemists is more in evidence now than it was in early days. Several times, when business seemed to be quieter than we expected was sent to watch other chemists' shops a few minutes, to see if anybody was being served. I should be surprised to hear of such a thing now.

### Business Developments

The two events which have been most impressive on my mind from the business point of view have been the formation of the Proprietary Articles Traders' Association and the passing of the National Health Insurance Acts with their various additions and emendations. I well remember Mr. Glyn-Jones coming to Ashton-under-Lyne to interview the chemists of the district.

The modern young chemist has no conception of the price cutting which abounded in those days. I have frequently been sent with ready cash to a Salford chemist one dozen of a widely advertised pill, and paid 23s. 6d. over the counter, and sent them over our own counter at 1s. 11 each. How's that for profit? Most wholesalers charged 3d. or 6d. more per dozen and if we had bought them through the usual channels we should have "lost" the retail sales. No wonder the eloquent Mr. (later Sir) Glyn-Jones roused the enthusiastic support of the chemists. I thought practically all chemists present at that meeting became members at once. Whether establishing of the P.A.T.A. has had any effect in certain directions which I expected and, I think, intended is a question I will not discuss.

I can still remember the first N.H.I. prescription with which I was presented of Lancashire Insurance Committee form R.   
 R Syr. Ferri. Phos. Co. ... .. 3i  
 Aq. ... .. ad. 3vi

with appropriate instructions.

Not an ambitious beginning, but a beginning, which has developed into the vitamins, injections, capsules etc., of prescriptions of the present day. The financial apparatus of the Act creaked badly at commencement. Chemists had to do their own pricing, and to itemise the amounts of the ingredients in cash. No item was than  $\frac{1}{2}$  d. e.g., sod. bicarb. 3ii= $\frac{1}{2}$  d. and



re were forty prescriptions containing a bicarb. 3ii during the dispensing period, first item on the account would read at  $\frac{1}{2}$ d.=1s. 8d. A scale of prices for all es of ingredients was provided by the Insurance Committee.

The biggest bugbear of N.H.I. work was waiting for payment after sending in the account. Two shillings *per capita* for each insured person was set aside for the chemists' fund, but only 1s. 6d. was immediately available, the other 6d. being called "floating sixpence." If 1s. 6d. per head provided a fund sufficient to pay the chemists' accounts, the "floating sixpence" went to swell the doctor's annual fee, but it took, say, 1s. 9d. to pay the chemists, the extra 3d. came out of the "floating sixpence," and 3d. went to the doctor. If the chemists' bills came to more than 2s. would

cover, however, the 2s. was made to go as far as it would among the chemists; the doctor got nothing out of the floating sixpence, and the chemist had to wait until the Minister responsible had sanctioned the forwarding of more money to the Insurance Committees. I remember waiting till 1916 before being finally paid for a large number of bottles of cod liver oil emulsion dispensed in 1914. In course of time and after trial and error, the present satisfactory system was evolved.

I believe the changes that have come about during forty years' experience in my own business have been for the benefit of the public and the individual chemist, and that any man who aligns himself with his profession will gain ample recompense both financially and in the respect in which he is held by his surrounding public.

## COMING EVENTS

### Monday, November 11

LIVERPOOL BRANCH, PHARMACEUTICAL SOCIETY, Derby Rooms, Adelphi Hotel, Liverpool, at 7.45 p.m. Mr. H. N. Linstead, M.P. (secretary, Pharmaceutical Society) on "The Next Ten Years."

BIRKENHEAD PHARMACISTS' ASSOCIATION, Chamber of Commerce Rooms, Hamilton Square, Birkenhead, at 7.30 p.m. Mr. R. J. Raymond on "Model Railways."

### Tuesday, November 12

NOTTINGHAM BRANCH, PHARMACEUTICAL SOCIETY, Lecture theatre, Medico-surgical Society, St. James's Street, Old Market Square, Nottingham, at 7 p.m. Dr. H. Smith Wallace, M.B., Ch.B., on "Skin Diseases."

SCARBOROUGH BRANCH, PHARMACEUTICAL SOCIETY, Large Lecture Hall, Public Library, Scarborough, at 7.30 p.m. Dr. W. Bradley, M.Sc. (research department, The British Drug Houses, Ltd.) on "Chemistry in the Service of Medicine."

WOLVERHAMPTON CHEMISTS' ASSOCIATION, and BRANCHES OF THE PHARMACEUTICAL SOCIETY and NATIONAL PHARMACEUTICAL UNION, Povey's Cafe, Victoria Street, Wolverhampton, at 7.30 p.m. Lecture by Mr. W. J. Tristram.

BIRMINGHAM BRANCH, PHARMACEUTICAL SOCIETY, Grand Hotel, Birmingham, at 8 p.m. Mr. L. C. Colebrook, M.B., Ch.B., F.R.S., on "The Modern Treatment of Burns."

BRITISH EXPORT EXHIBITION, London Exhibition Centre, New Coventry Street,

London, W.1, 2-6 p.m. (Open till November 23, week-days, 9.30 a.m.-6 p.m.; Saturdays, 9.30 a.m.-1 p.m.)

### Thursday, November 14

INSTITUTE OF CHEMISTS - OPTICIANS, Friends Meeting House, Euston Road, London, N.W.1, at 7.30 p.m. Dr. Margaret Dobson on "Orthoptic Training."

PHARMACEUTICAL SOCIETY, 17 Bloomsbury Square, London, W.C.1, at 7 p.m. Dr. H. E. Archer, Ph.C., on "Development in Chemical Methods used in Diagnosis and Control of Treatment."

MANCHESTER PHARMACEUTICAL ASSOCIATION and NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, Lecture theatre, St. Mary's Hospital, Manchester, at 7.45 p.m. Mr. H. Gartside, B.Sc., Ph.C., on "Pharmacy in Germany and Spain."

### Friday, November 15

GUILD OF PUBLIC PHARMACISTS, 17 Bloomsbury Square, London, W.C.1, at 7 p.m. Professor Sir Alexander Fleming, on "Some Notes on Antibiotics."

### Saturday, November 16

LEICESTER BRANCH, PHARMACEUTICAL SOCIETY, Great Hall, Technical College, Leicester, at 7.30 p.m. Dance in aid of Benevolent Fund. Tickets 3s. from Miss Morris, 42 Belvoir Street, Leicester.

BIRMINGHAM PHARMACEUTICAL ASSOCIATION. A dance will be held at the Botanical Gardens, Edgbaston, Birmingham, at 8 p.m., on November 27. Tickets 7s. 6d. each.

## SPEECH DAY AT MANCHESTER

SPEECH Day at the pharmacy department of Manchester University was held on October 16, Mr. J. R. Walmsley (president, Manchester Pharmaceutical Association) in the chair.

PROFESSOR H. BRINDLE, in his report, said that the number of students taking the Ph.C. diploma and the B.Sc. (Pharm.) degree was twice the number taking the Chemist and Druggist course. This was gratifying, as only by laying a sound foundation during his academic training, and by keeping his knowledge up to date, would the pharmacist be able to meet the demands made upon him. The honours course instituted by the College of the Pharmaceutical Society was progress in the right direction. Manchester University offered graduates in pharmacy an honours degree in chemistry, physiology or botany, superimposed upon the pharmacy degree. They also had well established diplomas in bacteriology and chemical engineering suitable for students in the third year of the combined course—for the pharmacy or honours physiology degree.

### Two Types of Pharmacist

MR. KNOX MAWER (president of the Pharmaceutical Society) said that, as president, he had to spend part of his time in examination rooms observing the work of candidates. He was quite satisfied that examiners were desirous of giving candidates every opportunity of passing. He was often startled by the mistakes made by candidates, especially in calculations, due to lack of concentration. In future, schools of pharmacy should not be recognised unless they were attached to a university. Medical, dental, veterinary and pharmaceutical students could advantageously work together. This would be invaluable in later years. He hoped arrangements would be made for military service to be postponed until after graduation. It was possible that two types of pharmacist would emerge, those trained for retail, and graduates to take positions in hospital laboratories or high positions in the health services.

MR. J. R. WALMSLEY spoke of apothecaries and chemists and druggists whose names were associated with scientific discoveries. Outstanding was Carl Wilhelm Scheele, a Swedish apothecary, whose name would always be linked with Scheele's acid. He had isolated a number of natural products, citric, malic and oxalic acids, and was responsible for the discovery of glycerin and hydrogen sulphide. Kipp's

apparatus was devised by a Dutch pharmacist whose business was still carried on by his descendants. Klapworth, a French pharmacist, the inventor of *ampoules hypodermiques*, devised the first oxygen breathing unit for a balloon ascent in 1875. Russian pharmacist discovered and named the element ruthenium in the course of work on the platinum group. Berzelius, Swedish apothecary, made atomic determinations and gave us the symbols of the elements. Sertürner, a Parisian apothecary, isolated morphine and was the first to use the word alkaloid. Frankland was a druggist's apprentice in Lancaster, and in 18 became the first professor of chemistry. Owen's College (now Manchester University). John Walker, a chemist and druggist, devised the first practical matches in 1827. J. W. Swan, a chemist and druggist of Newcastle-on-Tyne, made the first rapid dry plates and discovered many photographic processes.

### Distribution of Prizes

MR. KNOX MAWER distributed prizes to the following students:

Woolley prize, Miss J. C. Barnes; Houghs, & Co., Ltd., prize, George Platt; Allen & Hanburys Ltd., prize, Miss T. Keepes; Association president's prize, George Platt; T. Kerfoot & Co., Ltd., prize, Miss B. W. Clegg; Manchester Pharmaceutical Association prize, Jo Mongham; Pharmaceutical Society (Code) prize, George Shaw; Branch chairman's prize, P. J. Crabtree; E. Griffiths Hughes Ltd., prize, James Hopson (Salford Royal College of Technology).



"So, sonny, you want to be a chem when you grow up?" "Yes, Daddy." "Analytical?" "No, cash!"—From the London "Evening News."



# ULSTER CHEMISTS' ASSOCIATION

## Annual Meeting of Associates' Section

The third annual meeting of the Associates' Section of the Ulster Chemists' Association was held in Belfast on October 24. Mr. M. D. Moore, Ph.C. (chairman) presiding.

The annual report stated that twenty pharmaceutical chemists, sixteen assistants and thirty-five apprentices had been elected, and the total number of associates September 30, 1946, was 284. Three pharmaceutical chemists, three assistants and twelve apprentices had since been elected. The Associates' Group in London-derry had met regularly, and a new Associates' Group had been formed in September as the result of a meeting in Portadown. Discussions were at present in progress concerning the establishment of scales of remuneration for hospital pharmacists.

The committee recorded its appreciation of the help given by the Executive Committee and its support of the present drive for increased membership of the Associates' Section. The section was now numerically strong enough to bear an annual apportionment of £75 of the office charges. It had yet been possible to arrange for a regular bulletin to Associates. Mr. T. A. GILSON, Ph.C. (president, Ulster Chemists' Association), expressed pleasure at the enthusiasm displayed by the associates.

### A Scheme

Mr. NIAL BRANNIGAN claimed that the scheme was unfair to the superintendent pharmaceutical chemist, and placed too much responsibility on the qualified superintendent of a limited company. Night pharmacies, he suggested, would be much more satisfactory. Mr. JAMES McCLENAHAN, Ph.C. (secretary, Ulster Chemists' Association), replied that the executive committee had found, after careful consideration, that it would not be practicable to set night pharmacies at present. Employers of employees alike would gain by the establishment of a shorter working day, and the amount of rota duty would not bear heavily upon any individual. Mr. J. HUNT stated that much time was wasted in unlocking the door for each person seeking admission after normal hours. Mr. McCLENAHAN pointed out that the Shops Act requirements must be met. Although it might be possible to have indulgence of the authorities in this matter, having the door open would probably cause greater loss of time in explain-

ing that toilet goods and similar articles could not be supplied. The intention of the late service was to provide urgently required medicines.

The following retiring members were re-elected to the *Associates' Committee*: Mr. M. D. Moore, Mr. E. B. Williamson (pharmaceutical chemists), Mr. E. G. Mackle (apprentice), and the following new candidates were elected: Miss J. Godfrey, Mr. A. McWhinney (pharmaceutical chemists), Mr. H. O. Cooke and Mr. T. McDaid (assistants).

In his address THE CHAIRMAN said seventy-one new Associates had been elected, but the net increase was only seventeen. The recent communication to eligible non-associates had produced good results. The question of hospital dispensers' salaries had been taken up with the Minister of Health and the local government authorities and was still under negotiation. Representations made to the Board of Guardians had succeeded in obtaining the desired increase for locum tenentes. The Shops Hours Bill had been reviewed by the Committee and a letter of protest about the hours sent to the Minister of Home Affairs. Several M.P.s had been asked to support the Association's contentions when the Bill was discussed in Parliament. The Tribunal Award and the Joint Council agreement gave better holidays than the Shops Act.

### Evening Classes

Discussing the new Act, Mr. Moore said the indenturing of apprentices was a sound idea. The student who had completed part of his apprenticeship at the time of the passing of the Act must apparently comply with the new whole-time study arrangements. If the employer did not continue to pay wages, the student would receive unemployment benefit. The question now arose as to whether the Pharmaceutical Society would recognise such a period as part of the student's apprenticeship. The matter had been taken up with the competent authority. Recently an erroneous impression had been conveyed by the committee's efforts to secure evening classes. Their efforts had been not to eliminate day-classes but to make provision for third year students to have night classes in preparation for their fourth year day classes, and for students who had failed their examinations.

## CORRESPONDENCE

### Presentation to Bath ex-Principal

SIR,—I expect your correspondent "Johns of Bath" will be interested to learn that an invitation to subscribe to a fund to make a presentation to Mr. D. J. Williams has been sent to every old student of the Bath and West College of Pharmacy whose address could be confirmed from the Register. It is not yet too late to subscribe, and I shall be pleased to hear from any of those mentioned who have not already communicated with me. The question of a reunion party is being considered, but at the present time the difficulties are rather formidable.—Yours faithfully,

Bristol, 1.

WM. COOPER.

Head of the School of Pharmacy,  
Merchant Venturer's Technical College.

### Bureaucracy

SIR,—I am not conversant with the situation regarding calcium penicillin, but the conclusion arrived at by Mr. K. E. White (*C & D.*, October 26, p. 547), that the Ministry knows not what it controls, appears to me to be a trifle unjust. I would suggest that possibly the firm is at fault, or is this rank heresy? My own experience (I am an ex-"backroom boy") indicated that many firms insisted on carrying on with restrictions long after they had been officially notified of their withdrawal. In many cases the idea is to play for safety. They know the Ministry will get the kicks anyhow. Some firms—I repeat some—are like slaves who, when relieved of their bondage don't know what to do with their new-found freedom, and prefer slavery. I now await the brickbats; maybe the Ministry did slip up in this instance.

Brighton.

A. CORDES.

### Where the Need Lies

SIR,—Dr. Clitherow's recent remark that pharmacy and pharmacists are today more in need of nourishment is, I submit, a half-truth. In the last decade pharmacy has had an enormous amount of nourishment, ranging from the sulphonamides, vitamins, etc., to the antibiotics; and I would venture that, with the possible exception of the last-named, the food has been well assimilated. Pharmacists are, however, in need of nourishment, especially, it may be pointed out, from the Ministry of Health. Surely, if Dr. Clitherow wishes to serve pharmacy, it would be more useful for him to shake up the Ministry into payment of reasonable fees promptly, and to obtain for

pharmacists a capital charge on apparatus etc., rather than to split the ranks of pharmacy by creating another body and mandating for it rights of negotiation with the Ministry, yet admitting that such body would contain persons of diverse interests and viewpoints.—Yours faithfully,

EMPLOYER

### London Degree in Pharmac

SIR,—In your reference (*C. & D.*, October 12, p. 469) to the revised regulations for the London University degree in Bachelor of Pharmacy for internal students you have rightly drawn attention to the value to the profession of a three-year course in pharmaceutical subjects in place of the former two-year course. In doing so, however, there has been a tendency to overlook a very important matter to the prospective degree student, namely, a change in the subjects in which the student must attain a prescribed standard of proficiency before commencing study of pharmaceutical subjects. Under the revised regulations the student must obtain an approved standard in chemistry, physics, mathematics and one biological subject in the Higher School Certificate examination, or a comparable University examination, while under the old regulations subjects were chemistry, physics, botany and zoology. These changes are important, and any student who is proposing to present himself for either the Higher School Certificate or the Intermediate examination at the University of London in 1948 is advised to study chemistry, physics, biology and mathematics (in the case of the Higher School Certificate all at principal or master standard). A student who is entering either of the above examinations in 1948 and who has studied chemistry, physics, botany and zoology should realise that he is restricted to entry for the degree under the old regulations, and that the University has stated that the last of these examinations will be held in 1950. A student who is taking the subjects of chemistry, physics, botany and zoology who wishes to sit for the degree under the revised regulations should consult the University. Finally I would add that the above remarks apply equally to the revised regulations for external students which have been announced since the publication of the revised regulations for internal students.—Yours faithfully,

London, W.C.1. HUGH N. LINSTED,

Secretary,

Pharmaceutical Society of Great Britain



## TRADE REPORT

quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

**Essex St., W.C.2, November 6** **U.S. Drug and Chemical Report**

**New York, November 1**

A STEADIER tendency has been noted in the PHARMACEUTICAL CHEMICALS markets during the past week and no changes in prices have occurred. The export inquiry continues on the high level recorded recently and there has been some seasonal demand in the home trade. ACETANILIDE and COCAINE have been in good request and BENZOIC ACID is rather more active. Owing to an increase in the cost of raw material, TERPINEOL is likely to be dearer.

### Mercury Reverts to Private Trade

The Board of Trade announces that MERCURY reverts to private trade on November 1, after which date importation on own account or through an agent will be permitted. Intending importers should submit an application to the Import Licensing Department, Board of Trade, 189 Regent Street, London, W.1. Supplies of mercury will still be obtained from the Government until such time as users are able to make their own buying arrangements, but it is hoped that such arrangements will be made not later than December 31.

### Crude Drugs

There have been no outstanding changes in the quotations in these markets during the last few days. ALOES continues to be in good demand at slightly easier prices. GINSENG (STAR) is quoted a little lower than last week. CAMPHOR is in good request for export and for home trade; both chips and powder are tending easier as new arrivals help to ease the supply position. Reports show that COCHINEAL "blacks" are very scarce. COLOCYNTH and ERGOT are lower in price. STYRAX will be obtained, in limited quantities, on a spot.

### Essential and Expressed Oils

Few changes have been reported in the prices of ESSENTIAL OILS during the period under review. BAY and LAVENDER are dearer, and English-distilled NUTMEG is reported scarce and firm. CORIANDER has been considerably advanced in price. Circular No. 31 from the Essential Oils Council notifies a further list of essential oils removed from the scheme of distribution. The list of essential oils removed from the distribution scheme to date is given on p. 2.

GENERALLY strong conditions prevailed on the HEAVY CHEMICALS markets during the week. In most of the basic coal tar chemicals, short stocks continued, PHENOL being in particularly short supply with CREOSOTE OIL and CRESYLIC ACID close behind. SODIUM FLUORIDE has moved into a somewhat tighter position; considerably more orders are being placed for this item, which it is understood, lost favour on the introduction of DDT.

MENTHOL is commanding considerable attention at the present time on the markets following the arrival of 13 tons of material from Japan which, it is believed, constituted about half of the total available supply in that country. A shipment (approximately 40 tons) is said to have arrived here from China, while the "Journal of Commerce" carries a report of the arrival of 1,272 cases from Brazil. A 10-cent. decline in the quotation was recorded. MERCURY presents a confused picture with low-priced offerings of Italian material expected to force down the price of domestically-produced metal. Meanwhile, the O.P.A. has granted an increase in the maximum price schedules of BISMUTH preparations following individual applications by manufacturers. GLYCERIN continues in extremely short supply, with trade representatives pointing out that the decontrol of fats and oils will not necessarily mean an increase in the quota for soap manufacturing—source of a large part of glycerin output; in any case, there will be little material improvement before the end of the year. A tightening-up in COD-LIVER OIL has occasioned an advance in the quotation although large consumers are thought to have covered their winter requirements earlier this year. Nearly 500 drums were imported from Newfoundland this week.

Drugs imported from central European countries will cost about 40 to 50 per cent. more next year, according to a trade representative who has just returned here from a visit to Bulgaria, Rumania, Hungary and other countries. Early crops, such as BELLADONNA and CHAMOMILE FLOWERS have suffered from drought in the principal growing districts. The shipping strike is holding up supplies of some imported drugs at the docks. There has been a marked decline in the buyer resistance of recent

weeks attributed to rumours of an early de-control of processed drugs and pharmaceuticals. However, CARNAUBA WAX is still an exception and dealers have shown no more willingness to pay the exceedingly high prices at which the material is currently offered. The market for PAPAIN continued firm although a large consignment was reported to have arrived from Mombasa. A moderately good arrival of Turkish LIQUORICE EXTRACT will probably move directly into consuming channels. Both SPEARMINT and PEPPERMINT OILS are still very scarce.

## Pharmaceutical Chemicals

ACETANILIDE.—Makers' prices are 2s. 5d. per lb. for crystals and 2s. 6d. for powder.

AMIDOPYRINE.—Quotations for 56-lb. lots are at 36s. per lb., with other quantities in proportion.

AMPHETAMINE.—Makers' price is unchanged at 150s. per lb.

ASPIRIN.—Home market prices steady; quotations per lb., in quantities of 28-lb.-1-cwt., are (containers in brackets): 4s. 1½d. (1-lb.); 4s. (4-lb.); 3s. 11d. (7-lb.); 3s. 10½d. (14-lb.); 3s. 9½d. (28-lb.).

ATROPINE.—Home trade prices per oz. are steady at: ALKALOID, 42s. 6d.; 4 oz., 42s.; 25 oz., 41s. 6d. SULPHATE, 34s.; 4 oz., 33s. 6d.; 25 oz., 33s. METHYLBROMIDE and METHYLNITRATE, 75s.

BIARIUM SULPHATE, B.P. (x-ray).—Prices per lb. quoted by makers, in 28-lb.-1 cwt. lots, for home sales, are (containers in brackets): 1s. 6d. (1-lb.); 1s. 4½d. (4-lb.); 1s. 3½d. (7-lb.); 1s. 3d. (14-lb.); 1s. 2d. (28-lb.). Prices are net, one month.

BENZOIC ACID.—In limited supply. Quotations for small quantities are at 2s. 9d. per lb.

BISMUTH SALTS.—Makers' prices are as follows (containers in brackets): 7 lb. and under 14 lb., 14s. 2d. (1-lb.), 14s. 1d. (2-lb.), 14s. 0½d. (4-lb.), 13s. 11½d. (7-lb.), 14 lb. and under 28 lb., 13s. 11½d. (1-lb.), 13s. 10½d. (2-lb.), 13s. 10d. (4-lb.), 13s. 9d. (7-lb.), 13s. 8½d. (14-lb.), per lb. CITRATE, 1s. 8d. per lb. over above prices. SUBGALLATE, 3s. 11d. per lb. over above prices. SUBNITRATE, 1s. 3d. per lb. over above prices.

BORAX.—Makers' prices are: B.P. quality, granulated, £38 per ton; crystal, £39; powder, £39 10s. Commercial grades, £8 per ton less. Packed in 1-cwt. bags, delivered carriage paid in Great Britain, in 1-ton lots and upwards.

BORIC ACID.—The following are make current rates per ton lots of B.P.: Granulated, £60; crystal, £61; powder, £6 Commercial grades, £8 per ton less. Packed in 1-cwt. bags, delivered carriage paid Great Britain, in 1-ton lots and upwards.

BROMIDES.—The prices for these products remain unchanged. POTASSIUM, quantities of 28 lb., is quoted at the following rates per lb. (containers in brackets) 3s. 2½d. (1-lb.); 3s. 1d. (4-lb.); 3s. (7-lb) 2s. 11½d. (14-lb.); 2s. 10½d. (28-lb) SODIUM, 1½d. per lb. less, and AMMONIUM 1½d. per lb. more, than above prices. Prices are net, without engagement.

CHLORAL HYDRATE.—Prices are unchanged. 28 lb., 4s. 5d. per lb.; 14 lb., 4s. 9d.; 7 lb., 5s.; less than 7 lb., 5s. 6d. per lb.

GUAIACOLS.—In limited supply. Quotations are as follows: Liquid, 16s. per lb. crystal, 15s. per lb.; carbonate, 15s. per lb.

HEXAMINE.—Quotations for crystals 56-lb. lots are at 1s. 6d. per lb.; small quantities in proportion.

HOMATROPINE.—Makers' prices per c are as follows (prices per gram in brackets) ALKALOID.—1 oz., 97s. 6d.; 4 oz., 92s. 6d. 16 oz., 87s. 6d.; (4s.). HYDROCHLORID HYDROBROMIDE and SULPHATE.—1 oz. 75s.; 4 oz., 70s.; 16 oz., 65s. (3s. 2d.).

HYOSCINE HYDROBROMIDE.—Makers price for quantities of 1 gram. is 6s. 6d. 1 oz., 150s.; larger quantities, 147s. 6d. p oz.

MANDELIC ACID.—Demand is good. Current prices are as follows: 1 lb., 22s. per lb. 4 lb., 20s. 3d.; 7 lb., 18s. 6d.; 14 lb. 16s. 9d.; 28 lb., 15s.

PHENACETIN.—Small quantities are available at 4s. 6d. per lb.

PHENAZONE.—Prices are unchanged 20s. per lb., for 56-lb. lots; other quantities in proportion.

PHENOLPHTHALEIN.—Prices are unchanged. 1 cwt., 4s. 10d. per lb.; 28 lb. 5s.; 14 lb., 5s. 3d.; 7 lb. 5s. 6d.

## Crude Drugs

ALOES.—Curaçao is steady at 270s. p cwt., on the spot; forward quotations, 240 to 245s., c.i.f.

ANISE (STAR).—Quotations are easier from 190s. to 210s. per cwt., on the spot shipment, about 115s., c.i.f.

ARECA NUTS.—Ceylon are easier at 60 per cwt., on the spot; shipment, 50s. p cwt.



**BALSAMS.**—*Canada* is offered at 14s. 9d. per lb. *Peru* is quoted at from 8s., duty paid; in bond, 7s. 6d. *Tolu*, very scarce, 17s. 6d., spot.

**BELLADONNA.**—Italian root is offered at 7s. per cwt., c.i.f.

**BENZOIN.**—A good demand continues. *matra*, near-at-hand, £25 per cwt.

**BISMUTH.**—Price of high-grade metal remains at 9s. per lb., in minimum lots of cwt.

**BUCHU.**—Quiet market. Short-rounds are offered at 4s. 6d. per lb.

**CALABAR BEANS.**—Offered at 1s. 10½d. per lb., ex warehouse Liverpool.

**CALUMBA.**—Natural root, in fair supply, quoted at 70s. per cwt., spot; washed, 8s. per cwt.

**CAMPHOR.**—In fair supply. Chinese ¼-tablets, 11s. 9d. per lb., spot; shipment, 3d., c.i.f. 1-oz. tablets, 11s., spot; ¼-lb. slabs, 11s. 3d. Powder, 10s. 6d., spot; 7s., c.i.f.

**CANTHARIDES.**—In poor demand. Chinese (*Mylabris*) is quoted at 13s. per lb., c.i.f.

**CASCARA SAGRADA.**—Canadian bark is quoted on the spot at from 280s. to 285s. per cwt., landed, duty paid.

**CASCARILLA.**—Quills are quoted at 4½d. per lb., on the spot.

**CHAULMOOGRA.**—*Hydnocarpus* is steady at 2s. per lb., in tins in cases.

**CLOVES.**—Zanzibar, quoted on the spot at 11d. per lb.; affloat, 10d., c.i.f., buyers' preference; November-December shipment, 1d. per lb., c.i.f.

**COCHINEAL.**—Business continues to be quiet. Silver-grey are steady at 5s. 6d. per lb.; blacks, in limited supply, are being offered at 5s. 9d.

**COCOA BUTTER.**—Controlled price is 7d. per lb., delivered.

**COCONUT (DESICCATED).**—Maximum controlled price is 74s. 8d. per cwt., ex store.

**COLOCYNTH.**—In fair supply. Fine-white pulp is offered at 2s. 6d. per lb.; medium-white, 2s. 3d. per lb.

**ERGOT.**—In limited supply. Fair material easier at 5s. 9d. per lb., spot.

**GALBANUM.**—Quotations for small quantities are about 8s. 6d. per lb., duty paid.

**GENTIAN.**—French root is quoted at 2s. per cwt., on the spot.

**GINGER.**—Firm market. Jamaica No. 1 offered at 130s. per cwt.; No. 2, 115s.:

No. 3, 110s. African is quoted at 82s. 6d., spot.

**GUM ACACIA.**—Demand fair. Kordofan cleaned sorts, 76s. per cwt., London; 74s., Liverpool. Talha, cleaned, 45s., spot; 42s. 6d., c.i.f.

**GUM MASTIC.**—In fair supply. Quotations for No. 1 material are easier at 17s. per lb.

**JABORANDI.**—None on the spot. Shipment is steady at from 90s. to 125s. per cwt., according to quality.

**JALAP.**—Vera Cruz, testing 12.4 per cent. resin, is steady at 3s. 6d. per lb., spot.

**JUNIPER.**—Italian berries are offered at from 56s. to 65s. per cwt., according to quality.

**KAMALA.**—Small quantities are quoted at 3s. per lb., landed.

**LIQUORICE ROOT.**—Anatolian whole root, firmer at 65s. to 75s. per cwt., on the spot.

**LOBELIA.**—In good demand. Quoted steady on the spot at 6s. 6d. per lb. Limited supply.

**MENTHOL.**—Brazilian, 45s. per lb., duty paid. Chinese, 50s., spot; affloat, 47s. 6d. per lb., landed, duty paid.

**MYRRH.**—Aden sorts, firmly held at £14 to £16 per cwt., according to quality. Siftings are quoted at £10 per cwt.

**NUX VOMICA.**—Business quiet. Madras, from 40s. to 42s. 6d. per cwt.; Mangalore, 40s., spot; Cochin, 45s. per cwt.

**ORANGE PEEL.**—Spanish quarters, steady at 2s. per lb.; sweet ribbon, 2s. per lb.

**ORRIS.**—Florentine is steady at from 125s. to 135s. per cwt., according to holder; Verona, 75s. to 80s. per cwt., on the spot.

**PAPAIN.**—East African, firmly held at 24s. per lb., on the spot.

**PIMENTO.**—Quoted at 1s. 1½d. per lb., on the spot; forward, 122s. 6d., c.i.f.

**QUASSIA.**—Quotations are firmly maintained at 42s. 6d. per cwt., spot.

**QUILLATA.**—Quotations for natural bark are steady at 125s. per cwt., spot; cut, 150s., ex store.

**QUINCE SEEDS.**—Spot quotations for Cape are at 6s. 9d. per lb.

**RHATANY.**—In fair supply. Quotations are firmly held at 11d. per lb., spot.

**RHUBARB.**—Rough-round, of fair fracture, is quoted at from 9s. 6d. to 12s. 6d. per lb., according to quality.

**SEEDS.**—ANISE.—Turkish, steady at 2s. 7d. per lb., duty paid, spot, London. CELERY.—Indian quoted at 1s. 6d. per lb.,

spot, London or Liverpool. **CORIANDER**.—Morocco, 85s. per cwt., duty paid, spot; Indian, 82s. 6d. **CUMIN**.—Indian, now landing, 220s. per cwt., ex store Liverpool. Cyprus, 220s., spot, London. **DILL**.—Indian, offered at 57s. 6d. per cwt., ex wharf London or Liverpool. **FENNEL**.—Indian, 155s. per cwt., ex London or Liverpool. **FENUGREEK**.—Indian, 65s. to 67s. 6d. per cwt., spot, London.

**SENEGA**.—Fair supply available. Quotations are firmer at 15s. 6d. per lb., landed London.

**SQUILL**.—Supplies are shortly to be landed. Quotations for white are around 65s. per cwt.

**STROPHANTHUS**.—Kombé seed, 100 per cent., is steady at 7s. per lb. on the spot.

**STYRAX**.—In limited supply; offered at 4s. 10½d. per lb., duty paid.

**TONKA BEANS**.—Frosted Para are quoted at prices from 6s. to 6s. 6d. per lb.

**TRAGACANTH**.—Market quiet with prices steady. Selected grades are quoted at £155 per cwt. Prices of medium grades are as follows: No. 1, white, £145 per cwt.; No. 2 white, £125; No. 3, white, £110; No. 4 white, £85; pale leaf, £50; amber leaf, £50; dark amber, £35; brown leaf, £25; red-and-brown leaf, £20; red leaf, from £17; hoggy, £12 to £15.

**VALERIAN**.—Belgian is offered at from 240s. to 255s. per cwt., according to holder.

### Essential and Expressed Oils

**BAY**.—In fair supply. West Indian, in small lots, is quoted at 9s. 6d. per lb.

**CASTOR**.—Controlled prices unchanged. "Firsts," £110; "seconds," £108 per ton, naked ex works.

**CLOVE**.—English-distilled oil is steady at from 11s. 6d. to 12s. 6d. per lb., according to quantity.

**CORIANDER**.—English-distilled oil of B.P. quality is quoted at 250s. per lb.

**COTTONSEED**.—Official quotations are as follows: Crude, £52 2s. 6d. per ton; washed, £55 5s.; refined, edible, £57; refined deodorised, £58, naked ex works.

**GINGER**.—Prices are unchanged at from 100s. to 125s. per lb., according to source.

**LAVENDER**.—French oil (38 to 40 per cent. esters) is quoted firmer at 65s. per lb., spot; Spanish (spike), 16s. per lb.

**LEMONGRASS**.—Quotations are from 20s. to 21s. per lb., on the spot.

**LIME**.—West Indian-distilled oil is steady on the spot at 35s. per lb.

**LINSEED**.—Controlled price for crude is unchanged at £135 per ton, naked ex works.

**NUTMEG**.—English-distilled oil is firm at 75s. per lb., spot.

**OLIVE**.—Controlled price to wholesale is 47s. 9d. per gall. of 9 lb., ex store London in 45-50 gall. drums. Prices from wholesaler to retailer are as follows: In 1 g. containers, 55s. 6d. per imperial gall. In 5 g. containers, 56s. 3d.; quart containers, 57s.; pint containers, 58s. per gall. Containers returnable.

**ORIGANUM**.—Quotations are firmly maintained at 21s. per lb., on the spot.

**PIMENTO BERRY**.—English-distilled oil is firmly held at 57s. 6d. per lb.

**RAPESEED**.—Controlled price is changed. Bulk supplies of crude oil quoted at £91 per gall., naked ex works.

**SASSAFRAS**.—Brazilian is offered 6s. 6d. per lb., on the spot; forward, sellers.

**THYME**.—Red oil (40 per cent. phenol) is firmly held at 21s. per lb., spot; white 22s. 6d. per lb.

**TURPENTINE**.—The Board of Trade announces an increase in the selling price of Turpentine to take effect from October 18. The new prices are: American gum spirits, £125 per ton; Portuguese gum spirits, £115 per ton; American steam-tilled wood spirits, £110 per ton. Tern Net, naked, including duty, ex store U.S. delivery in loan drums. The following are the prices for resale by retail distributors:

	American gum spirits	Portuguese gum spirits	American steam dist. wood spirit
	s. d.	s. d.	s. d.
5 gall.	11 9	11 0	10 6
10 gall.	11 6	10 9	10 3

Net, per imperial gall., including duty, suppliers' premises in free drums.

### Decontrolled Essential Oils

THE Essential Oils Control gives notice that a further number of oils have been removed from the scheme of distribution. Oils removed from the scheme to date are as follows: Basil, bay, cade, cassia, cinnamon leaf, citronella (Ceylon), coriander, eucalyptus (*citriodora*), fennel, geranium, guaiacwood, juniper berry, lavender, lavender spike, lavandin, lemongrass, lime, majoram, neroli, origanum, patchouli, pepper grain (French and French North Africa), rosemary, sage, sassafras (Brazilian), thyme and vetiver.



## MISCELLANEOUS INQUIRIES

Formulas given below may have been prepared for overseas subscribers and the inclusion of substances therein is no indication that they are available in Britain or, if available, permitted to be used for the purpose.

**Hair-colour Restorer.**—*J.C.*—To restore hair to its natural colour we suggest the following formula:—

Hennæ fol. ... ..	3i
Alcohol ... ..	3iiss
Aq. ad ... ..	5x

This gives an auburn brown colour and can be darkened by adding ammonia.

**Nail Polish.**—*K.L.M.*—The following are alternative preparations. One or the other may suit your requirements:—

Nitrocellulose ... ..	12
Butyl stearate ... ..	5
Acetone ... ..	50
Amyl acetate ... ..	30
Ester gum or gum mastic ... ..	5
Nitrocellulose ... ..	12
Acetone ... ..	50
Amyl acetate ... ..	20
Methyl ethyl ketone ... ..	5
Diacetone alcohol ... ..	2
Dewaxed dammar ... ..	0.4

Suitable colouring materials are cellaquer pink, 74,194, 0.05 per cent., cellaquer rose, 0,79, 0.05 per cent., and cellaquer ruby, 4,762, 0.25 per cent. To test the elasticity of the product a little may be poured on to glass plate, the area covered being about the size of a sixpenny piece, and allowed to dry overnight. When removed by careful section of a knife-blade under its edge, a poor-quality varnish strips off; a good one comes away in a sheet.

**Bottle-capping Solution.**—*S.P.7.*—The following are alternative formulas for bottle-capping solutions.

### I

Soak 7 lb. good gelatin in 10 oz. glycerin and 60 oz. water. Heat over water-bath until dissolved, and add any desired colour (e.g., an aniline colour). Store the jelly in jars. For use, liquefy the mass and dip the cork and a portion of the neck of the bottle into the liquid. The solution sets quickly.

### II

Gelatin (cut small) ... ..	2 oz.
Glycerin ... ..	6 dr.
Glue size ... ..	4 dr.

Magenta (1 in 6 in equal parts glycerin and water)

Amyl acetate ... ..	2 min.
---------------------	--------

Soak the gelatin in cold water for ten minutes, press, add the glue size and glycerin. Dissolve in a water bath, then add the magenta solution and amyl acetate. Dip while hot.

**Husk in Cow.**—*H.S.T.*—In the treatment of husk in the cow, intratracheal injections of turpentine with phenol and chloroform are used. The following are suitable formulas:—

### I

Tereben. ... ..	3i
Phenol. ... ..	mxx
Chloroform. ... ..	mxxx

### II

Phenol. ... ..	mxx
Chloroform. ... ..	3ss
Ol. olivæ ... ..	3ii

The doses may be increased to a maximum of 50 per cent. above the quantities stated. During the injection, the head of the animal is held erect and a position half way between the throat and the breast of the animal chosen for insertion of the syringe, which must go cleanly through the trachea into its lumen, and not merely into the lining membrane, otherwise abscess formation, with serious consequences, may result.

**Hair Emulsion.**—*T.I.C.*—The following are alternative formulas for hair cream containing an emulsifying wax:—

### I

Glyceryl monostearate ... ..	30
Cetol wax F ... ..	2
Olive oil (deodorised) ... ..	10
Water ... ..	85
Perfume ... ..	q.s.
Preservate ... ..	q.s.

### II

Lanette wax SX ... ..	2
Arachis or other vegetable oil ... ..	10
Castor oil ... ..	5
Water ... ..	100
Perfume ... ..	q.s.
Preservative ... ..	q.s.

**Water Softeners.**—*V.M.*—Alumino silicates such as sodium permittite used in some water-softeners, function on the base-exchange principle. The  $\text{Ca}^{++}$  is removed from the hard water by the compound, and when the charge in the water-softener cylinder is exhausted, the compound is regenerated by flushing with a solution of brine (when the  $\text{Na}^{+}$  replaces the  $\text{Ca}^{++}$  of the exhausted material).

## OVERSEAS TRADE NEWS

**Swiss-Belgian Trade Agreement.**—A new trade agreement between Switzerland and Belgium has been concluded. Belgium will receive from Switzerland a range of goods including a number of pharmaceutical products.

**Fats and Oils Decontrolled in U.S.**—All edible and non-edible oils and fats which have been subject to price restrictions, are now decontrolled, states a Washington report. The higher market rates for oils will, it is thought, encourage production not only in the U.S., but in foreign countries as well.

**Canadian Export Values.**—The Dominion exported medicinal and proprietary preparations during the month of August to the value of \$634,000, compared with \$389,000 for August 1945. The total for the eight months ended August 1946 was, however, \$694,000 less than that for the corresponding period in 1945.

**Allies Dismantling More German Factories.**—A message from Hamburg states that the British Military Government in Germany has published a list of fourteen German industrial works in the North Rhine-Westphalia area which are to be dismantled. They include the Matthes und Weber A.G. chemical works at Duisburg, and the I.G. Farbenindustrie Chlorfabrik at Uerdingen-Krefeld.

**U.S. Reduces Penicillin Price.**—The price of penicillin in the United States has again been reduced to the record low figure of 50 cents per vial of 1,000 units for hospitals and 38 cents per vial for wholesalers. Penicillin in the U.S. has steadily become cheaper with the increase in production. At the beginning of 1944, the price for a vial of 1,000 units was around \$75.

**Franco-Turkish Trade Agreement.**—Under a new Franco-Turkish trade agreement signed for the initial period of one year, Turkey will supply France with minerals, silk, oil kernels and other products, in exchange for French wool and cotton fabrics, rubber products, photographic and other instruments, films and film cellulose, optical instruments, chemical and biological products, and pharmaceutical specialities.

**Kenya and Uganda Trade.**—Recently published statistics show that in the quarter ended March 31, imports of drug trade merchandise into Kenya and Uganda, in order of importance, were (values in shill-

ings); Drugs, medicines and medical preparations, 1,272,037; perfumery, cosmetic and toilet preparations, 600,030; spirits, 593,903. Exports included pyrethrum, 9,808,155; sodium carbonate, 1,534,636. Re-exports were valued at 1,635,753, including papain, 267,753 and soap products, 107,118.

**Argentine-Spanish Trade Agreement.** A trade agreement between Argentina and Spain was signed on October 30. In return for foodstuffs Spain is to supply Argentina between 1947 and 1951 with a minimum of 15 per cent. of her exportable surplus of olive oil providing this does not exceed 8,000 tons annually. Argentina also receive fixed tonnages of various products, lead, cork and olives and produce of a large range of other Spanish products.

**South American Olive Oil.**—Brazilian demand for olive oil has been steadily growing while imports since the beginning of the war have been decreasing. Shipments since 1940 from the country's pre-war suppliers, Italy, France, Spain, Greece and Portugal have been completely cut off with the exception of those from the last-named country; consequently, plans for the promotion of olive production in the South American countries have been drawn up and besides possibilities which exist in Brazil, many millions of trees have already been planted in Argentina and Chile. Argentina is said to be currently producing the fourth largest crop in the world and to promote further the cultivation of olive trees.

**U.S. Coal Tar Chemicals.** The production of coal tar chemicals in the United States, states a Reuter report, has made gradual progress towards a restoration of normal supplies, although labour shortages and delays in the shipment of machinery replacements still deter production. The supply of benzol has shown gradual improvement. Output of cresylic acid is still insufficient, however, to satisfy requirements, and imports were inadequate to relieve the tight supply situation. The producers are reluctant to accept new business, the major consuming industries have contracted for the output for an indefinite period. Demands for fumaric and maleic acids for use in the manufacture of synthetic resins have shown only slight signs of diminishing, and, consequently, shipments continue to be confined to regular custom-



## "ATTEMPT TO SUPPRESS" A SOUTH AFRICAN PROPRIETARY

South African Minister of Health and Secretary for Public Health were ordered, the Pretoria Supreme Court on September 12, to return stocks of a preparation called Somnex to the person from whom such stocks had been seized. A reserved judgment delivered on an application in which the Minister and Secretary for Public Health were first and third respondents.

William Paterson (editor of the "South African Pharmaceutical Journal") was second respondent. The applicants were Orangia Medical Supplies (Pty.), Ltd., and Messrs. H. S. Coaker, N. N. Howell and Stusser. The judge ordered Mr. Paterson to destroy p. 33 of the July issue of the journal or to render permanently illegitimate the whole reference to Somnex appearing on that page. The Minister of Health and Secretary for Public Health were ordered to return stocks of Somnex seized, detained, and to rescind any order for seizure or detention. All other relief claimed was refused.

### Special Action Not Prevented

The judge said the order was not to be regarded as deterring or preventing the Minister or the Secretary from taking whatever action they might be advised or authorized to take in connexion with the sale of Somnex. He would hear counsel on the question of costs before making any order. The presiding judge said that Coaker, Howell and Stusser were partners. Orangia Medical Supplies was a private company in which the applicants were the sole shareholders and directors. In 1929 the firm began to manufacture a drug, to which it gave the name of Somnex, as a cure for insomnia.

The preparation was stated to consist of paraldehyde, to which colouring matter was added. In August 1944, paraldehyde was listed as a Division 2 poison. In 1944 Coaker placed an advertisement in "Outspan," a weekly magazine, stating that Somnex is absolutely essential to good health. "Many people develop 'the habit of insomnia,' which is the name given to chronic sleeplessness not caused by pain. Somnex is a safe and certain remedy for insomnia. It is quite harmless—not habit-forming or poisonous." The advertisement had appeared until December 1945, when Coaker caused the words "safe and" and the

words "it is quite harmless—not habit-forming or poisonous," to be deleted. In April 1945, the Department of Health had asked the public prosecutor at Ladybrand, where the applicants carried on business, to consider instituting criminal proceedings under the Medical Act. On April 15, 1946, Coaker was found guilty by the magistrate on an additional charge of falsitas on account of the advertisement in the "Outspan" as it appeared before December 1945. Coaker appealed to the Supreme Court against his conviction and sentence, and his appeal was upheld on July 29, 1946. On June 25, 1946, the Secretary for Public Health wrote to the secretary of the Orange Free State Pharmaceutical Society, stating that the Department had decided to remove from the market all stocks of Somnex. Two paragraphs of the letter appeared in the July issue of the "South African Pharmaceutical Journal." After the prosecution at Ladybrand, the carton and get-up of Somnex had been altered to meet the Department's evident wish, and the words "not habit-forming" and "not dangerous" had been left out.

The judge said he had come to the conclusion that the applicants were not entitled to a final interdict. As an appeal had gone in favour of Coaker, it was clearly false and defamatory to say that the manufacturers of Somnex had been convicted on a charge of falsitas in connexion with the marketing of the preparation. As the law stood, the only offence in the sale of Somnex could be in the description of its qualities and nature. Yet the Department's head officers had admitted that they did not know whether the sale of Somnex today offended in that respect or not. The secretary could not therefore have had reason to believe that it was falsely described. "I am satisfied that he caused Somnex stocks to be seized with the view of suppressing its sale, and because he considered its uncontrolled sale as a proprietary medicine not in the interest of the public." Parliament had not given the Health Department plenary powers in that respect. If the secretary had intended to obtain a ruling from a magistrate one sample would have been sufficient. Applicants were entitled to restitution to the position that existed before the instructions were issued and the seizure took place and he therefore gave his decision as stated above.

## TRADE MARKS

(From "The Trade Marks Journal,"  
October 16)

- "ASTROLITE"; for brushes included in this class and brush making materials (21). By Imperial Chemical Industries, Ltd., Wexham Road, Slough, Bucks. 642,217 (Associated).
- "ESME"; for hair grips (26). By Davies Steel Specialities, Ltd., Building C.3, Treforest Trading Estate, Pontypridd, S. Wales. B641,967.
- "MOLYNOR"; for hair curlers for attachment to the hair (26). By Rayment & Norman, Ltd., 60 Greek Street, London, W.1. 642,307.
- "HALICHOC"; for vitaminised chocolate in block, liquid, paste, powder and tablet form (30). By Museum Drug Stores, 69a High Street, Godalming, Surrey. B637,698.
- Device of cross, leaves and words "Carus Product" (word "Carus" disclaimed). It is a condition of registration that the Mark shall not be used with the cross device appearing thereon in red, or in white or silver on a red ground, or with the cross device and ground in, or of, any similar respective colour or colours; for paper included in this class, and non-medicated paper handkerchiefs (16). By Alexander Carus & Sons, Ltd., Hoddlesden Mills, Johnson Road, Hoddlesden, Darwen, Lancashire. 642,458 (Associated).

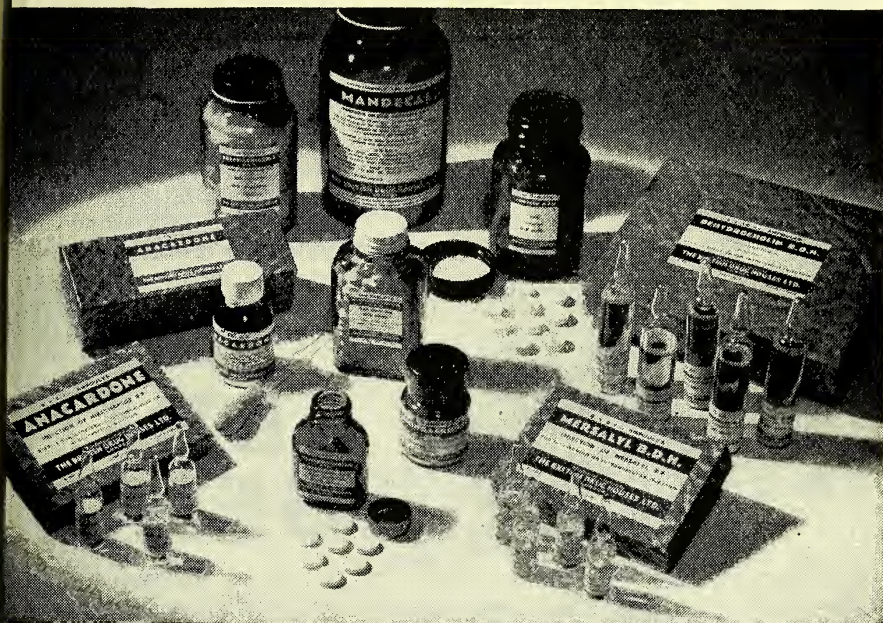
(From "The Trade Marks Journal,"  
October 23)

- "RESLOOM"; for chemical compositions (not being dyes and not being waterproofing compositions) for use in the treatment of textiles in the course of manufacture (1). By Monsanto Chemical Co., 1700 South Second Street, St. Louis, Missouri, U.S.A. 636,079.
- Words "THREE RAVENS" with design of three ravens and globe; for chemical products used in industry, science and photography; adhesive substances used in industry (1); electrical apparatus and instruments included in this class; scientific and weighing apparatus and instruments (9). By Arthur E. Evans & Co., Ltd., Westminster Bank Chambers, North Street, Bishop's Stortford, Herts. 639,173-77 (Associated).
- "RAY-ETTA"; for essential oils, toilet preparations (not medicated), perfumes, perfumed soap, cosmetic preparations,

preparations and sachets for use waving the hair by hot or cold processes, hair growing and restoring preparations (3). By Raymonde Shapin, 71a North Street, Belfast, Northern Ireland. 639,147.

- "LINK"; for essential oils, essence of badian, cosmetic essences and flavours consisting wholly or principally of essential oils, none of the aforesaid goods being alcoholic (3). By Cumming, Parsons, Ltd., Top Lilley Street Works, St. Mary Street, Queen's Road, Manchester, 9. 639,614 (Associated).
- "ETE FLEURI" and "CAP A LA VIE"; soaps, perfumery, toilet preparations (not medicated), and cosmetic preparations (3). By Mury-Exportation, Rue de la Paix, Paris, France. 640,800-01.
- "CARVEN"; for liquid perfumes (3). Société à Responsabilité Limitée Carven, 6 Rond Point des Champs Elysées, Paris, France. 641,245.
- "CARUS PRODUCT"; device of cross, lettering and leaves (word "Carus" disclaimed), as for 642,458, under October 16, above; for toilet powders (not medicated) and soaps (3); for surgical articles of rubber and surgical instruments (10). By Alexander Carus & Sons, Ltd. 642,456-57 (Associated).
- "ANTASE"; for pharmaceutical preparations for human and veterinary use (5);
- "TAKABEXIN"; for preparations of distillate and of vitamin B for pharmaceutical purposes (5). By Parke, Davis & Co., Ltd., 50-54 Beak Street, London, W.1. 639,928, 641,461 (Associated).
- "LIVOX"; for pharmaceutical preparations containing liver for use in the treatment of anæmia (5). By Oxley Ltd., Thames House, Queen Street Place, London, E.C.4. 641,207.
- "CYSTOSANETS"; for pharmaceutical preparations for use in the treatment of diseases of the urinary organs (5). By Nu-Organic Remedies, Ltd., 192 Broadhurst Gardens, West End Lane, London, N.W.6. 641,234.
- "PENTOCRINE"; for all goods (5). By Warblenkinsop & Co., Ltd., Brookland Wood Road, Halewood, Liverpool 641,427.
- "NARCOSAN"; for pharmaceutical preparations and substances (5). By H. H. Napp, Ltd., 3 & 4 Clements Inn Strand, London, W.C.2. 641,706.





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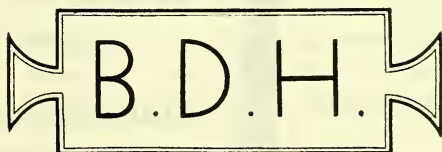
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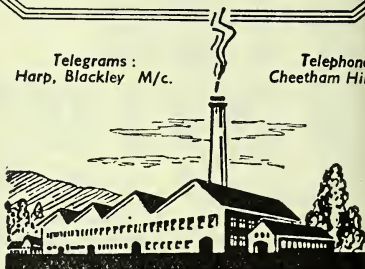
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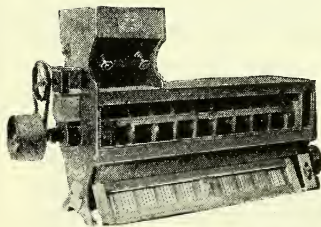
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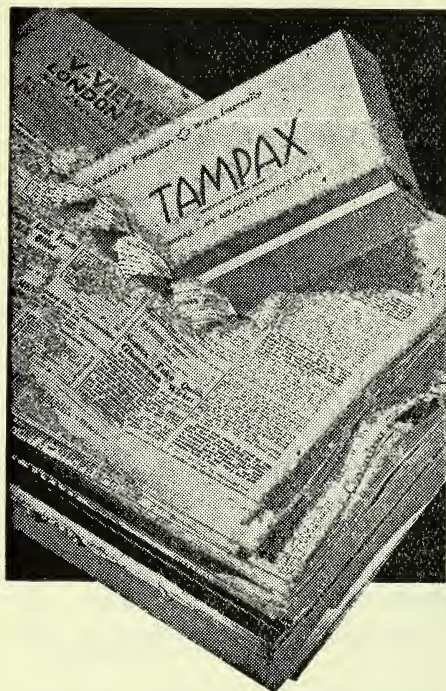


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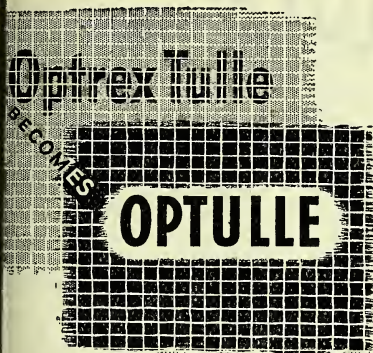
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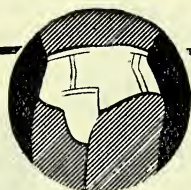
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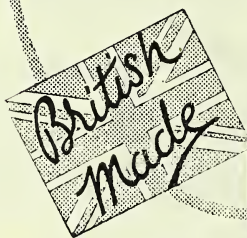


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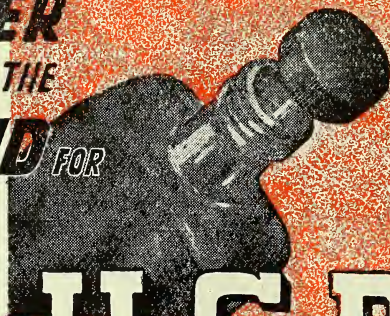
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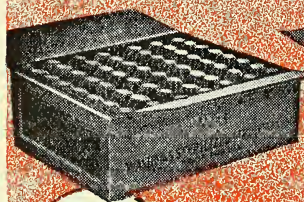
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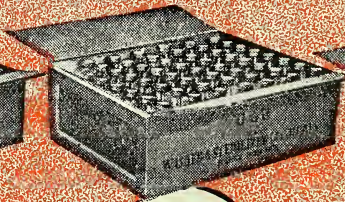


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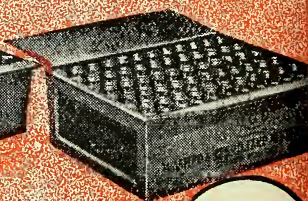
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## STERLING

VOLUME

Page 137

## Chemicals

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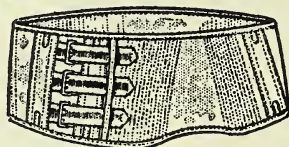
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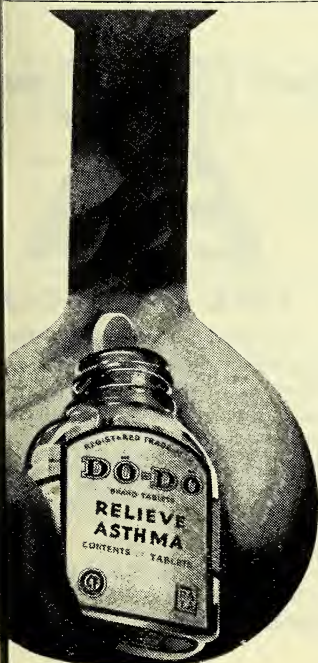
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SEAMED AND SEAMLESS

For special garments to measure we give the best possible service

**SURGICAL BELTS  
TRUSSES AND SUNDRIES**

50 years' service of  
everything Surgical

**SURGICAL HOSIERY CO. LTD.**

Russell Street - NOTTINGHAM

Telephone No. 75903 Telegrams: Surgical Nottm.

and now -

**SOFTX**  
TOILET TISSUE

in

*Inter-leaved  
sheets*



SOFT...  
SOFTER... **SOFTX**  
Toilet Tissue

IN ROLLS OR INTER-LEAVED SHEETS

*Softex Inter-leaved Toilet Tissue will be included in your quota when requested.*

A Product of SWAN MILL PAPER CO. LTD., 92, Regent Street, London, W.1

Telephone: Regent 0422

**'SEPTISOL' NURSERY OINTMENT**

— FOR DIAPER RASH —

**'SEPTISOL' BABY SOAP**

— FOR BETTER BABY BATHING —

Give Profit and Prestige, and ensure Repeat Demands

**SEPTISOL LTD.** 28, KENNEDY STREET  
MANCHESTER 2.

**THE LABEL SELLS YOUR PRODUCT**

Give your made up products that distinct appearance. Well designed, embossed, sticky-back Labels, in pleasing colourings, in six quick sell designs.

Haircreme	Brilliantine
Vanishing Cream	Cold Cream
Setting Lotion	Luxury Bath Salts

6/- per gross or any assortment of 10 gross at per gross. Goods sent by return of post. Send now for any of the above together with details Emulsifiers, Raw Materials, and Jars available.

**BRICCAS LIMITED** Fortess Grove, Kentish Town  
London, N.W.5.  
Telephone: Gulliver 34



PATA

**50% PROFIT on COST**

... is assured if you display and sell

**E.N.T. POWDERS & CAPSULES**

Highly recommended for relief from headaches and all nerve pains. Safe stock, sound formula and very satisfactory profit bringers.

From all Wholesalers or direct from: —

**The E.N.T. MANUFACTURING COMPANY LIMITED**  
433 Gloucester Rd., BRISTOL 7. London address: — BCM/ENTCO W.C.1



# “OXOID”

The word “OXOID” is the trade mark of OXO Ltd., and is used in connection with their therapeutical preparations both in tablet and fluid extract form.  
ORGANO-THERAPEUTICAL PRODUCTS

## OXO LABORATORY PREPARATIONS

### PERNICIOUS ANÆMIA

## OXO LTD'S LIVER EXTRACT FOR INJECTION (I.M.)

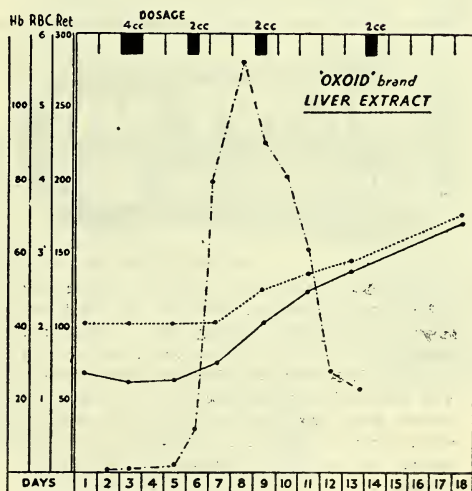
A highly potent preparation for treatment of pernicious anæmia. Single in emergency cases is 4 c.c. initial dose, followed by 2 c.c. at three days intervals in the first week and 2 c.c. at weekly intervals subsequently. This will usually raise the blood count to normal in a few weeks.

Maintenance dose : 2 c.c. monthly.

Supplied in ampoules of 2 c.c. and Bottles of 10 c.c. and 20 c.c.

Ampoules : 6 (6/6) ; 12 (12/6) ; 50 (48/-) ; 100 (92/-).

Bottles : 10 c.c. (5/3) ; 20 c.c. (8/6).



#### KEY TO GRAPH.

- ..... Haemoglobin per cent.
- ..... Red blood corpuscles in millions.
- Reticulocytes per 100 red cells.

OXO LIMITED, Thames House, London, E.C.4

OXO LABORATORY PREPARATIONS

# Getting easier but still in short supply

Although we still cannot catch up with the constantly growing demand for Juno-Junipah, we are glad to say that supplies are a little easier than they were. Our plans for greatly increased production are beginning to come to fruition.

T. MARNs, LTD., 2 CAXTON STREET, LONDON, S.W.1.

## JUNO - JUNIPAH

*The Woman's Own Health Salts*

### 707,909 NEW Customers for YOU

707,909 babies were born in Great Britain last year. This year the number will be greater. Mothers want the best remedy for baby's skin troubles—teething rash, chaffing and chapping. D.D.D. Balm does not sting or burn baby skin; it soothes immediately and heals quickly. It is non-greasy and does not stain. Thousands of mothers know this from experience; thousands of others learn it from our advertisements in the national and provincial press—and in the women's journals.

Profit from the demand that these births inevitably create. Your wholesaler has adequate supplies of D.D.D. Balm. Trade terms 16/- doz. Purchase tax 2/6 doz. Inclusive retail, 2/- per jar.

Prepared by D.D.D. Co. Ltd., 3, Fleet Lane, London, E.C.4.

## D. D. D. BALM

### BESORBON SELLS ON SIGH



Besorbon medicinal snuff is in demand all the year round as a preventive remedy for Hay Fever, Colds and Catarrh. Put this attractive display box on your counter and it will make its own sales. Supplied with all orders for dozen lots—from all registered wholesale chemists.

## KEMSALES LTD

20 EASTCHEAP, LONDON E



# New Scholl

## Display

## stand

is handy, compact,  
needs no fixing and catches  
the eye wherever you put it.  
It takes five popular  
Scholl products, and is  
stable for your counter  
or your window. Scholl's  
Famous Foot Aids are  
now more in demand than  
ever. Write to us for  
this attractive free stand.  
(No. 805.)



THE SCHOLL MANUFACTURING CO. LTD. • 188-204 St. John Street, E.C.1

# *An* **'ASPRO'** **DISPLAY** **BRINGS IN THE PASSER-BY!**

A new 'ASPRO' public has been growing up in recent years—people who, by practical experience, have come to value the ready help of 'ASPRO' in emergencies. All this growing interest benefits the shop which features A PROMINENT 'ASPRO' WINDOW DISPLAY. People who would otherwise be just "passers-by" become faithful and permanent customers, and their custom is reflected in the general volume of your business.

We look forward to the time when we can send you an entirely new display. In the meantime, if your present 'ASPRO' show is overdue for the salvage bin our stocks are still sufficient to supply you with another of the pre-restriction type illustrated below. Please write us if you need a display or seasonable stickers.

*Here is the current display*



MADE IN ENGLAND BY  
ASPRO LIMITED, SLOUGH, BUCKS

**P.A.T.A.**

## *One of the* **FINEST PRODUCTS** *in Pharmacy —*

For the speedy relief of  
Indigestion, Headache,  
Colds, etc., Lassitude  
Over-Indulgence.

# **V O L A S E L T Z E G R A N U L E**

*A trial order ensures  
continual sales !*

JOHNSON AGENCIES (PTY) LTD.  
Clarendon Works, Croydon, Surrey

# **PARIVITAN** VITAMIN TONIC

IS NOW ALSO ISSUED  
IN THE FORM OF

# **TABLETS**

for prescription and counter sale

*issued*

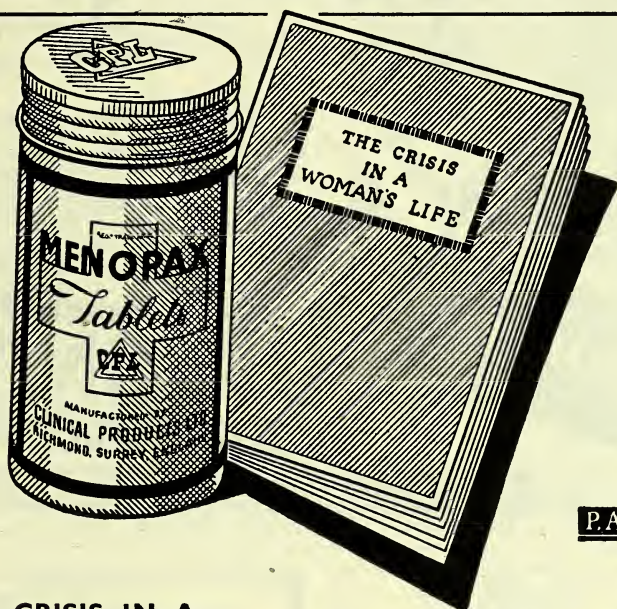
*Bottles of 30 and 100*

*retail at 2/6 and 6/2 inc. tax*

**GEDEON RICHTER (G.B.) Ltd.**  
WEEDINGTON ROAD, LONDON, N.W.5



# THE BOOK BEHIND THE PRODUCT



**P.A.T.A.**

## "THE CRISIS IN A WOMAN'S LIFE"

now in its 21st edition, has an immense appeal to women of 40-50, for it throws a new light on the Menopause, a subject which is of vital interest to them.

It is probably one of the most informative publications on the subject and promotes sales of Menopax.

**RETAILERS** who are co-operative appreciate the value of the book from experience.

**THE ENTERPRISING CHEMIST** will always have a few copies prominently displayed, so that interested customers may take one.

**A WOMAN** commencing a course of Menopax—very often on her doctor's advice—will in all probability continue to take this preparation for several years.

**PROFIT** Every time you sell a large size Menopax bought on best terms, your profit is 3/5.

**BOOKLETS** supplied to Menopax stockists only—with or without orders.

For best terms for Menopax preparations apply to the Sole Distributors:

**S. MAW, SON & SONS, LTD.**

Aldersgate House, New Barnet, Herts.

# MENOPAX

Manufactured by:

CLINICAL PRODUCTS LTD., RICHMOND, SURREY



**3/- and 5/-**  
**PER BOTTLE**

Extensive advertising has created a customer demand for this grand family tonic. Cash in and get your fair share of this profitable business.

NO LICENCE REQUIRED.

*and a bottle of*  
**VIRONITA**  
*of course!*

**VIRONITA**  
**THE FAMILY TONIC**

**VIRONITA IS FAST SELLING AND PROFITABLE**

M. CALTHORPE & COMPANY LIMITED. Manufacturing Chemists OSS

**ADMUL**

**GLYCERYL  
MONOSTEARATE**

**No Raw Materials!**

*We regret deliveries are  
temporarily suspended*

**ADVITA LIMITED**  
2 KINGSCOTE STREET  
LONDON, E.C.4

**SHAMPOOSHEEN**

The modern luxurious lathering  
Shampoo Cream.

**Shampoos SHEEN into hair**

*For all shades of hair, and all  
members of the family.*

**Packed in Tubes. Retailing 7½d. Display  
Outers of 3 doz. 13/6 Plus 4/6 P. Tax**

**Also Bulk Supplies for Saloons.**

**AGENCY ENQUIRIES INVITED FOR  
HOME & EXPORT.**

**LOVELUCK'S**

**LANOLINE BALM**

**An all-the-year-round seller for Medicinal,  
Toilet and Infant use.**

**PROFESSIONALLY ELEGANT.**

**COMMERCIALLY ATTRACTIVE.**

**Retail 1/6. Display Outers 35/- inc. Tax.**

**Illustrated Price list of Toilets,  
Specialities & Packings available from  
Sole Distributors:**

**LOVELUCK EDWARDS & CO.**  
432/438 GARRATT LANE, S.W.18





FOR PROTECTION  
AGAINST **COLDS**



**COMPLETE COURSE 7/6**  
Inclusive of Purchase Tax  
Trade Discount 33 1/3%

A product of **SOUTHON LABORATORIES LTD., LONDON, S.W.15.**

**ESOBACTULIN**  
PROTECTION AGAINST COLDS

6 CAPSULES TAKEN OVER 5 DAYS GIVE  
MOST PEOPLE 3 MONTHS IMMUNITY



**POCKET CALENDARS**

Placed on your counter these will pro-  
mote good sales. Supplies available on  
request.

Sole Distributors :

**CHAS. F. THACKRAY LTD.**  
Old Medical School, Park St. Leeds 1

**FINEGANS'**  
**NIP-A-KOFS**



*The famous  
medicated  
Confections*

- NOT ON  
POINTS
- RATIONED  
SUPPLIES

SOLE MANUFACTURERS

**J. FINEGAN & SON**  
**METHWICK 40, Staffs**



**Energen**  
**BISMEAL**  
**HIGH**  
**PROTEIN**  
**Breakfast Food**

ENERGEN FOODS CO., LTD., WILLESDEN, N.W.10

## Powder and the Press

The power of the press and the delicate fragrance of Goya's powder may seem to be poles apart. But it is through newspapers and magazines that Goya's advertising campaign is telling the story of the powder with many shades, *but only one perfume*, to millions of interested women.

For them a powder in six delightful shades each scented with a blend of Rose and Jasmin, which harmonises perfectly with any Goya perfume—or any other first class scent—has news appeal.

For you its appeal is different. With a range uncomplicated by colour and perfume permutations, stocks can be kept down and precious space saved. Yet you are still ready to meet the ever growing demand for the luxury, the clinging softness of:—

NATURE, RACHEL,  
PEACH, NECTARINE,  
BASQUE, SUN-TAN.

PERFUME · LIPSTICK · FACE POWDER



161 · NEW BOND ST · LONDON · W · 1



Hert's Pharmaceuticals Ltd., Welwyn Garden City

## LIMITED SUPPLY of ★ PERFUM ★ for XMA ★ TRADI

FOUR SIZES IN GOOD QUALITY ASSORTED PERFUM  
BOTTLED BY KENROSA LTD.

RETAIL:  $\frac{1}{4}$ -oz. 2/6;  $\frac{1}{2}$ -oz. 5/  
 $\frac{3}{4}$ -oz. 7/6; 1-oz. 10/

WHOLESALE:  $\frac{1}{4}$ -oz. 12/-;  $\frac{1}{2}$ -oz. 24/  
 $\frac{3}{4}$ -oz. 36/-; 1-oz. 48/  
PER BOTTLE  
PER DOZEN

ADD 100% PURCHASE TAX

$\frac{1}{4}$ -oz., 3 dozen in box; other sizes each in box with suitable labels to tone.

TERMS: REMITTANCE WITH ORDER  
PROMPT DELIVERY  
NO SAMPLES SENT

Postal communications to:—

**SIR JOHN PRATT & Co**

(Proprietor: Sir John Pratt, J.P.)

89 FORSET COURT, EDGWARE ROAD, LONDON, W  
TELEPHONE PADDINGTON 410



# WASH IN ON COLD WEATHER



Steady advertising in the national press is building a steadily increasing demand for Snowfire Healing Tablet among those whose work exposes their hands to the roughening effects of winter wind and weather. Add that demand to the consistent, all-the-year-round sales of Snowfire Healing Tablet for small every-day ills such as cuts, burns and bruises, and the result is a best seller, and a profitable seller. And to round off a satisfactory picture, Snowfire Healing Tablet is in fairly good supply, so there is no need to disappoint your customers.

## Snowfire HEALING TABLET

Product of F. W. Hampshire & Co. Ltd. (Manufacturing Chemists), Sunnydale, Derby

# At 5 months baby needs a CEREAL FOOD

## Recommend M.O.F.—the *fortified* Infant Cereal

At about 5 months mixed feeding should begin. At this stage it is usual to include a cereal food in the infant's diet. This is the time when an infant needs M.O.F. — the fortified infant cereal.

M.O.F. is a finely sieved oat flour fortified with Vitamin D, Calcium, Phosphorus and Iron and specially processed for quick cooking.

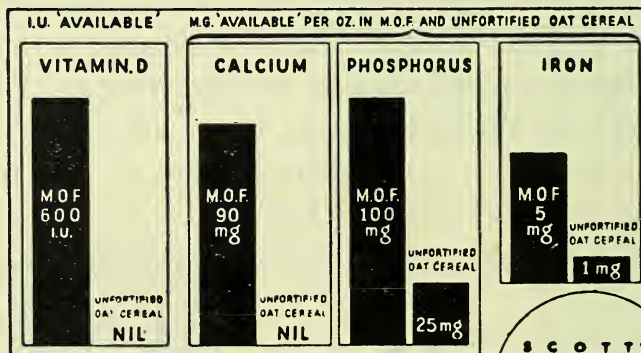
### WHEN AND HOW TO GIVE IT

The use of M.O.F. normally begins with the introduction of mixed feeding. It should be made to a thick consistency and may be spoon fed before the normal breast or bottle feed. Small quantities given at first should be increased as the infant progresses, M.O.F. forming one of the staple factors of a mixed diet.

Where artificial feeding must start at an early age M.O.F. can be given as from 3 months.

### HOW DOES IT COMPARE WITH OTHER CEREAL FOODS?

One of the reasons why progressive medical opinion recommends M.O.F. is because it is more than a cereal. M.O.F. is a fortified food. How it compares with non-fortified infant cereals can be seen in this chart.



M.O.F. IS PREPARED BY A. & R. SCOTT LTD.  
WEST MILLS, GOLINTON, MIDLOTHIAN, SCOTLAND.





# CARNEGIES

of

WELWYN GARDEN CITY

ALOID . ATROPINE & SALTS . BARBITONE SOLUBLE  
 BISMUTH SALTS . CAFFEINE SALTS . CHRYSAROBIN . CITRATES  
 EPHEDRINE & SALTS . ESERINE & SALTS . FLAVINES . IODIDES  
 LITHIUM SALTS . NICOTINIC ACID  
 PHENAZONE CAFFEINE CITRATE . PHENAZONE SALICYLATE  
 PODOPHYLLIN RESIN . PROCAINE HYDROCHLORIDE  
 SALICYLATES . SANTONIN . SPARTEINE SULPHATE  
 STILBOESTROL . STRYCHNINE & SALTS . SULPHAGUANIDINE  
 SULPHANILAMIDE . THEOBROMINE SALTS . ETC.

QUININE & SALTS . TOTAQUINE

*Carnegie Chemicals (WELWYN) Ltd.*  
*Carnegie Quinine Works Ltd.*

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TELEPHONE:  
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TELEGRAMS:  
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THE  
CHOICE  
OF  
EXPERTS

# ZEAL

BRITISH  
MADE



## CLINICALS

No higher in price than nondescript makes... Also—Household, Bath and Works Thermometers, the best of their kind.

G. H. ZEAL LTD.

LOMBARD R'D, MORDEN R'D, LONDON, S.W.19

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## SALES THROUGH CHEMISTS ONLY



SAFETY AND IMMEDIACY OF RELIEF IN ASTHMA ARE ENSURED  
BY  
**FELSOL POWDERS**

**STANDARD SIZE**  
Retail 2/10 (Inc. Tax)

*In short supply*

**LARGE SIZE**  
Retail 11/3 (Inc. Tax)

*Prescription and dispensing only*

**P.A.T.A.**

Wartime shortage of materials has caused delays in deliveries outside our control.

Every effort is being made to ensure fairest possible distribution. Let us hope it will not be long before we can relieve these temporarily enforced conditions.

# BRITISH FELSOL COMPANY LTD

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lighter in  
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es.  
—Household  
and Work  
mometers,  
best of  
kind.

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